

| R ² | R ³ | X ¹ | Y |
|----------------|----------------|----------------|-----------------|
| amino acid | amino acid | I | S-cyclopropyl |
| amino acid | amino acid | I | F |
| amino acid | amino acid | I | Cl |
| amino acid | amino acid | I | Br |
| amino acid | amino acid | I | I |
| amino acid | H | I | H |
| amino acid | H | I | NH ₂ |
| amino acid | H | I | NH-cyclopropyl |
| amino acid | H | I | NH-methyl |
| amino acid | H | I | NH-ethyl |
| amino acid | H | I | NH-acetyl |
| amino acid | H | I | OH |
| amino acid | H | I | OMe |
| amino acid | H | I | OEt |
| amino acid | H | I | O-cyclopropyl |
| amino acid | H | I | O-acetyl |
| amino acid | H | I | SH |
| amino acid | H | I | SMe |
| amino acid | H | I | SEt |
| amino acid | H | I | S-cyclopropyl |
| amino acid | H | I | F |
| amino acid | H | I | Cl |
| amino acid | H | I | Br |
| amino acid | H | I | I |
| amino acid | acyl | I | H |
| amino acid | acyl | I | NH ₂ |
| amino acid | acyl | I | NH-cyclopropyl |
| amino acid | acyl | I | NH-methyl |
| amino acid | acyl | I | NH-ethyl |
| amino acid | acyl | I | NH-acetyl |
| amino acid | acyl | I | OH |
| amino acid | acyl | I | OMe |
| amino acid | acyl | I | OEt |
| amino acid | acyl | I | O-cyclopropyl |
| amino acid | acyl | I | O-acetyl |
| amino acid | acyl | I | SH |
| amino acid | acyl | I | SMe |
| amino acid | acyl | I | SEt |
| amino acid | acyl | I | S-cyclopropyl |
| amino acid | acyl | I | F |
| amino acid | acyl | I | Cl |
| amino acid | acyl | I | Br |
| amino acid | acyl | I | I |

Table 15

| R ² | R ³ | R ⁶ | X | Base |
|----------------|----------------|-----------------|---|--------------------------------------|
| acyl | H | CH ₃ | O | Thymine |
| acyl | H | CH ₃ | O | Uracil |
| acyl | H | CH ₃ | O | Guanine |
| acyl | H | CH ₃ | O | Cytosine |
| acyl | H | CH ₃ | O | Adenine |
| acyl | H | CH ₃ | O | Hypoxanthine |
| acyl | H | CH ₃ | O | 5-Fluorouracil |
| acyl | H | CH ₃ | O | 8-Fluoroguanine |
| acyl | H | CH ₃ | O | 5-Fluorocytosine |
| acyl | H | CH ₃ | O | 8-Fluoroadenine |
| acyl | H | CH ₃ | O | 2-Fluoroadenine |
| acyl | H | CH ₃ | O | 2,8-Difluoroadenine |
| acyl | H | CH ₃ | O | 2-Fluorohypoxanthine |
| acyl | H | CH ₃ | O | 8-Fluorohypoxanthine |
| acyl | H | CH ₃ | O | 2,8-Difluorohypoxanthine |
| acyl | H | CH ₃ | O | 2-Aminoadenine |
| acyl | H | CH ₃ | O | 2-Amino-8-fluoroadenine |
| acyl | H | CH ₃ | O | 2-Amino-8-fluorohypoxanthine |
| acyl | H | CH ₃ | O | 2-Aminohypoxanthine |
| acyl | H | CH ₃ | O | 2-N-acetylguanine |
| acyl | H | CH ₃ | O | 4-N-acetylcytosine |
| acyl | H | CH ₃ | O | 6-N-acetyladenine |
| acyl | H | CH ₃ | O | 2-N-acetyl-8-fluoroguanine |
| acyl | H | CH ₃ | O | 4-N-acetyl-5-fluorocytosine |
| acyl | H | CH ₃ | O | 6-N-acetyl-2-fluoroadenine |
| acyl | H | CH ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| acyl | H | CH ₃ | O | 6-N-acetyl-2-aminoadenine |
| acyl | H | CH ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |
| acyl | H | CH ₃ | O | 2-N-acetylaminoadenine |
| acyl | H | CH ₃ | O | 2-N-acetylamino-8-fluoroadenine |
| acyl | H | CH ₃ | O | 2-N-acetylamino-8-fluorohypoxanthine |
| acyl | H | CH ₃ | O | 2-N-acetylaminohypoxanthine |
| acyl | acyl | CH ₃ | O | Thymine |
| acyl | acyl | CH ₃ | O | Uracil |
| acyl | acyl | CH ₃ | O | Guanine |
| acyl | acyl | CH ₃ | O | Cytosine |
| acyl | acyl | CH ₃ | O | Adenine |
| acyl | acyl | CH ₃ | O | Hypoxanthine |
| acyl | acyl | CH ₃ | O | 5-Fluorouracil |
| acyl | acyl | CH ₃ | O | 8-Fluoroguanine |
| acyl | acyl | CH ₃ | O | 5-Fluorocytosine |
| acyl | acyl | CH ₃ | O | 8-Fluoroadenine |
| acyl | acyl | CH ₃ | O | 2-Fluoroadenine |
| acyl | acyl | CH ₃ | O | 2,8-Difluoroadenine |
| acyl | acyl | CH ₃ | O | 2-Fluorohypoxanthine |

| R ² | R ³ | R ⁶ | X | Base |
|----------------|----------------|-----------------|---|--------------------------------------|
| acyl | acyl | CH ₃ | O | 8-Fluorohypoxanthine |
| acyl | acyl | CH ₃ | O | 2,8-Difluorohypoxanthine |
| acyl | acyl | CH ₃ | O | 2-Aminoadenine |
| acyl | acyl | CH ₃ | O | 2-Amino-8-fluoroadenine |
| acyl | acyl | CH ₃ | O | 2-Amino-8-fluorohypoxanthine |
| acyl | acyl | CH ₃ | O | 2-Aminohypoxanthine |
| acyl | acyl | CH ₃ | O | 2-N-acetylguanine |
| acyl | acyl | CH ₃ | O | 4-N-acetylcytosine |
| acyl | acyl | CH ₃ | O | 6-N-acetyladenine |
| acyl | acyl | CH ₃ | O | 2-N-acetyl-8-fluoroguanine |
| acyl | acyl | CH ₃ | O | 4-N-acetyl-5-fluorocytosine |
| acyl | acyl | CH ₃ | O | 6-N-acetyl-2-fluoroadenine |
| acyl | acyl | CH ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| acyl | acyl | CH ₃ | O | 6-N-acetyl-2-aminoadenine |
| acyl | acyl | CH ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |
| acyl | acyl | CH ₃ | O | 2-N-acetylaminoadenine |
| acyl | acyl | CH ₃ | O | 2-N-acetylamino-8-fluoroadenine |
| acyl | acyl | CH ₃ | O | 2-N-acetylamino-8-fluorohypoxanthine |
| acyl | acyl | CH ₃ | O | 2-N-acetylaminohypoxanthine |
| acyl | amino acid | CH ₃ | O | Thymine |
| acyl | amino acid | CH ₃ | O | Uracil |
| acyl | amino acid | CH ₃ | O | Guanine |
| acyl | amino acid | CH ₃ | O | Cytosine |
| acyl | amino acid | CH ₃ | O | Adenine |
| acyl | amino acid | CH ₃ | O | Hypoxanthine |
| acyl | amino acid | CH ₃ | O | 5-Fluorouracil |
| acyl | amino acid | CH ₃ | O | 8-Fluoroguanine |
| acyl | amino acid | CH ₃ | O | 5-Fluorocytosine |
| acyl | amino acid | CH ₃ | O | 8-Fluoroadenine |
| acyl | amino acid | CH ₃ | O | 2-Fluoroadenine |
| acyl | amino acid | CH ₃ | O | 2,8-Difluoroadenine |
| acyl | amino acid | CH ₃ | O | 2-Fluorohypoxanthine |
| acyl | amino acid | CH ₃ | O | 8-Fluorohypoxanthine |
| acyl | amino acid | CH ₃ | O | 2,8-Difluorohypoxanthine |
| acyl | amino acid | CH ₃ | O | 2-Aminoadenine |
| acyl | amino acid | CH ₃ | O | 2-Amino-8-fluoroadenine |
| acyl | amino acid | CH ₃ | O | 2-Amino-8-fluorohypoxanthine |
| acyl | amino acid | CH ₃ | O | 2-Aminohypoxanthine |
| acyl | amino acid | CH ₃ | O | 2-N-acetylguanine |
| acyl | amino acid | CH ₃ | O | 4-N-acetylcytosine |
| acyl | amino acid | CH ₃ | O | 6-N-acetyladenine |
| acyl | amino acid | CH ₃ | O | 2-N-acetyl-8-fluoroguanine |
| acyl | amino acid | CH ₃ | O | 4-N-acetyl-5-fluorocytosine |
| acyl | amino acid | CH ₃ | O | 6-N-acetyl-2-fluoroadenine |
| acyl | amino acid | CH ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| acyl | amino acid | CH ₃ | O | 6-N-acetyl-2-aminoadenine |
| acyl | amino acid | CH ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |

| R ² | R ³ | R ⁶ | X | Base |
|----------------|----------------|-----------------|---|--------------------------------------|
| acyl | amino acid | CH ₃ | O | 2-N-acetylaminoadenine |
| acyl | amino acid | CH ₃ | O | 2-N-acetylamino-8-fluoroadenine |
| acyl | amino acid | CH ₃ | O | 2-N-acetylamino-8-fluorohypoxanthine |
| acyl | amino acid | CH ₃ | O | 2-N-acetylaminohypoxanthine |
| H | acyl | CH ₃ | O | Thymine |
| H | acyl | CH ₃ | O | Uracil |
| H | acyl | CH ₃ | O | Guanine |
| H | acyl | CH ₃ | O | Cytosine |
| H | acyl | CH ₃ | O | Adenine |
| H | acyl | CH ₃ | O | Hypoxanthine |
| H | acyl | CH ₃ | O | 5-Fluorouracil |
| H | acyl | CH ₃ | O | 8-Fluoroguanine |
| H | acyl | CH ₃ | O | 5-Fluorocytosine |
| H | acyl | CH ₃ | O | 8-Fluoroadenine |
| H | acyl | CH ₃ | O | 2-Fluoroadenine |
| H | acyl | CH ₃ | O | 2,8-Difluoroadenine |
| H | acyl | CH ₃ | O | 2-Fluorohypoxanthine |
| H | acyl | CH ₃ | O | 8-Fluorohypoxanthine |
| H | acyl | CH ₃ | O | 2,8-Difluorohypoxanthine |
| H | acyl | CH ₃ | O | 2-Aminoadenine |
| H | acyl | CH ₃ | O | 2-Amino-8-fluoroadenine |
| H | acyl | CH ₃ | O | 2-Amino-8-fluorohypoxanthine |
| H | acyl | CH ₃ | O | 2-Aminohypoxanthine |
| H | acyl | CH ₃ | O | 2-N-acetylguanine |
| H | acyl | CH ₃ | O | 4-N-acetylcytosine |
| H | acyl | CH ₃ | O | 6-N-acetyladenine |
| H | acyl | CH ₃ | O | 2-N-acetyl-8-fluoroguanine |
| H | acyl | CH ₃ | O | 4-N-acetyl-5-fluorocytosine |
| H | acyl | CH ₃ | O | 6-N-acetyl-2-fluoroadenine |
| H | acyl | CH ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| H | acyl | CH ₃ | O | 6-N-acetyl-2-aminoadenine |
| H | acyl | CH ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |
| H | acyl | CH ₃ | O | 2-N-acetylaminoadenine |
| H | acyl | CH ₃ | O | 2-N-acetylamino-8-fluoroadenine |
| H | acyl | CH ₃ | O | 2-N-acetylamino-8-fluorohypoxanthine |
| H | acyl | CH ₃ | O | 2-N-acetylaminohypoxanthine |
| H | amino acid | CH ₃ | O | Thymine |
| H | amino acid | CH ₃ | O | Uracil |
| H | amino acid | CH ₃ | O | Guanine |
| H | amino acid | CH ₃ | O | Cytosine |
| H | amino acid | CH ₃ | O | Adenine |
| H | amino acid | CH ₃ | O | Hypoxanthine |
| H | amino acid | CH ₃ | O | 5-Fluorouracil |
| H | amino acid | CH ₃ | O | 8-Fluoroguanine |
| H | amino acid | CH ₃ | O | 5-Fluorocytosine |
| H | amino acid | CH ₃ | O | 8-Fluoroadenine |
| H | amino acid | CH ₃ | O | 2-Fluoroadenine |

| R ² | R ³ | R ⁶ | X | Base |
|----------------|----------------|-----------------|---|---------------------------------------|
| H | amino acid | CH ₃ | O | 2,8-Difluoroadenine |
| H | amino acid | CH ₃ | O | 2-Fluorohypoxanthine |
| H | amino acid | CH ₃ | O | 8-Fluorohypoxanthine |
| H | amino acid | CH ₃ | O | 2,8-Difluorohypoxanthine |
| H | amino acid | CH ₃ | O | 2-Aminoadenine |
| H | amino acid | CH ₃ | O | 2-Amino-8-fluoroadenine |
| H | amino acid | CH ₃ | O | 2-Amino-8-fluorohypoxanthine |
| H | amino acid | CH ₃ | O | 2-Aminohypoxanthine |
| H | amino acid | CH ₃ | O | 2-N-acetylguanine |
| H | amino acid | CH ₃ | O | 4-N-acetylcytosine |
| H | amino acid | CH ₃ | O | 6-N-acetyl原因 |
| H | amino acid | CH ₃ | O | 2-N-acetyl-8-fluoroguanine |
| H | amino acid | CH ₃ | O | 4-N-acetyl-5-fluorocytosine |
| H | amino acid | CH ₃ | O | 6-N-acetyl-2-fluoroadenine |
| H | amino acid | CH ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| H | amino acid | CH ₃ | O | 6-N-acetyl-2-aminoadenine |
| H | amino acid | CH ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |
| H | amino acid | CH ₃ | O | 2-N-acetylaminoadenine |
| H | amino acid | CH ₃ | O | 2-N-acetyl-amino-8-fluoroadenine |
| H | amino acid | CH ₃ | O | 2-N-acetyl-amino-8-fluorohypoxanthine |
| H | amino acid | CH ₃ | O | 2-N-acetylaminohypoxanthine |
| amino acid | amino acid | CH ₃ | O | Thymine |
| amino acid | amino acid | CH ₃ | O | Uracil |
| amino acid | amino acid | CH ₃ | O | Guanine |
| amino acid | amino acid | CH ₃ | O | Cytosine |
| amino acid | amino acid | CH ₃ | O | Adenine |
| amino acid | amino acid | CH ₃ | O | Hypoxanthine |
| amino acid | amino acid | CH ₃ | O | 5-Fluorouracil |
| amino acid | amino acid | CH ₃ | O | 8-Fluoroguanine |
| amino acid | amino acid | CH ₃ | O | 5-Fluorocytosine |
| amino acid | amino acid | CH ₃ | O | 8-Fluoroadenine |
| amino acid | amino acid | CH ₃ | O | 2-Fluoroadenine |
| amino acid | amino acid | CH ₃ | O | 2,8-Difluoroadenine |
| amino acid | amino acid | CH ₃ | O | 2-Fluorohypoxanthine |
| amino acid | amino acid | CH ₃ | O | 8-Fluorohypoxanthine |
| amino acid | amino acid | CH ₃ | O | 2,8-Difluorohypoxanthine |
| amino acid | amino acid | CH ₃ | O | 2-Aminoadenine |
| amino acid | amino acid | CH ₃ | O | 2-Amino-8-fluoroadenine |
| amino acid | amino acid | CH ₃ | O | 2-Amino-8-fluorohypoxanthine |
| amino acid | amino acid | CH ₃ | O | 2-Aminohypoxanthine |
| amino acid | amino acid | CH ₃ | O | 2-N-acetylguanine |
| amino acid | amino acid | CH ₃ | O | 4-N-acetylcytosine |
| amino acid | amino acid | CH ₃ | O | 6-N-acetyl原因 |
| amino acid | amino acid | CH ₃ | O | 2-N-acetyl-8-fluoroguanine |
| amino acid | amino acid | CH ₃ | O | 4-N-acetyl-5-fluorocytosine |
| amino acid | amino acid | CH ₃ | O | 6-N-acetyl-2-fluoroadenine |
| amino acid | amino acid | CH ₃ | O | 6-N-acetyl-2,8-difluoroadenine |

| R ² | R ³ | R ⁶ | X | Base |
|----------------|----------------|-----------------|---|---------------------------------------|
| amino acid | amino acid | CH ₃ | O | 6-N-acetyl-2-aminoadenine |
| amino acid | amino acid | CH ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |
| amino acid | amino acid | CH ₃ | O | 2-N-acetylaminoadenine |
| amino acid | amino acid | CH ₃ | O | 2-N-acetyl-amino-8-fluoroadenine |
| amino acid | amino acid | CH ₃ | O | 2-N-acetyl-amino-8-fluorohypoxanthine |
| amino acid | amino acid | CH ₃ | O | 2-N-acetylaminohypoxanthine |
| amino acid | H | CH ₃ | O | Thymine |
| amino acid | H | CH ₃ | O | Uracil |
| amino acid | H | CH ₃ | O | Guanine |
| amino acid | H | CH ₃ | O | Cytosine |
| amino acid | H | CH ₃ | O | Adenine |
| amino acid | H | CH ₃ | O | Hypoxanthine |
| amino acid | H | CH ₃ | O | 5-Fluorouracil |
| amino acid | H | CH ₃ | O | 8-Fluoroguanine |
| amino acid | H | CH ₃ | O | 5-Fluorocytosine |
| amino acid | H | CH ₃ | O | 8-Fluoroadenine |
| amino acid | H | CH ₃ | O | 2-Fluoroadenine |
| amino acid | H | CH ₃ | O | 2,8-Difluoroadenine |
| amino acid | H | CH ₃ | O | 2-Fluorohypoxanthine |
| amino acid | H | CH ₃ | O | 8-Fluorohypoxanthine |
| amino acid | H | CH ₃ | O | 2,8-Difluorohypoxanthine |
| amino acid | H | CH ₃ | O | 2-Aminoadenine |
| amino acid | H | CH ₃ | O | 2-Amino-8-fluoroadenine |
| amino acid | H | CH ₃ | O | 2-Amino-8-fluorohypoxanthine |
| amino acid | H | CH ₃ | O | 2-Aminohypoxanthine |
| amino acid | H | CH ₃ | O | 2-N-acetylguanine |
| amino acid | H | CH ₃ | O | 4-N-acetylcytosine |
| amino acid | H | CH ₃ | O | 6-N-acetyladenine |
| amino acid | H | CH ₃ | O | 2-N-acetyl-8-fluoroguanine |
| amino acid | H | CH ₃ | O | 4-N-acetyl-5-fluorocytosine |
| amino acid | H | CH ₃ | O | 6-N-acetyl-2-fluoroadenine |
| amino acid | H | CH ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| amino acid | H | CH ₃ | O | 6-N-acetyl-2-aminoadenine |
| amino acid | H | CH ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |
| amino acid | H | CH ₃ | O | 2-N-acetylaminoadenine |
| amino acid | H | CH ₃ | O | 2-N-acetyl-amino-8-fluoroadenine |
| amino acid | H | CH ₃ | O | 2-N-acetyl-amino-8-fluorohypoxanthine |
| amino acid | H | CH ₃ | O | 2-N-acetylaminohypoxanthine |
| amino acid | acyl | CH ₃ | O | Thymine |
| amino acid | acyl | CH ₃ | O | Uracil |
| amino acid | acyl | CH ₃ | O | Guanine |
| amino acid | acyl | CH ₃ | O | Cytosine |
| amino acid | acyl | CH ₃ | O | Adenine |
| amino acid | acyl | CH ₃ | O | Hypoxanthine |
| amino acid | acyl | CH ₃ | O | 5-Fluorouracil |
| amino acid | acyl | CH ₃ | O | 8-Fluoroguanine |
| amino acid | acyl | CH ₃ | O | 5-Fluorocytosine |

| R ² | R ³ | R ⁶ | X | Base |
|----------------|----------------|-----------------|---|---------------------------------------|
| amino acid | acyl | CH ₃ | O | 8-Fluoroadenine |
| amino acid | acyl | CH ₃ | O | 2-Fluoroadenine |
| amino acid | acyl | CH ₃ | O | 2,8-Difluoroadenine |
| amino acid | acyl | CH ₃ | O | 2-Fluorohypoxanthine |
| amino acid | acyl | CH ₃ | O | 8-Fluorohypoxanthine |
| amino acid | acyl | CH ₃ | O | 2,8-Difluorohypoxanthine |
| amino acid | acyl | CH ₃ | O | 2-Aminoadenine |
| amino acid | acyl | CH ₃ | O | 2-Amino-8-fluoroadenine |
| amino acid | acyl | CH ₃ | O | 2-Amino-8-fluorohypoxanthine |
| amino acid | acyl | CH ₃ | O | 2-Aminohypoxanthine |
| amino acid | acyl | CH ₃ | O | 2-N-acetylguanine |
| amino acid | acyl | CH ₃ | O | 4-N-acetylcytosine |
| amino acid | acyl | CH ₃ | O | 6-N-acetyladenine |
| amino acid | acyl | CH ₃ | O | 2-N-acetyl-8-fluoroguanine |
| amino acid | acyl | CH ₃ | O | 4-N-acetyl-5-fluorocytosine |
| amino acid | acyl | CH ₃ | O | 6-N-acetyl-2-fluoroadenine |
| amino acid | acyl | CH ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| amino acid | acyl | CH ₃ | O | 6-N-acetyl-2-aminoadenine |
| amino acid | acyl | CH ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |
| amino acid | acyl | CH ₃ | O | 2-N-acetylaminoadenine |
| amino acid | acyl | CH ₃ | O | 2-N-acetyl-amino-8-fluoroadenine |
| amino acid | acyl | CH ₃ | O | 2-N-acetyl-amino-8-fluorohypoxanthine |
| amino acid | acyl | CH ₃ | O | 2-N-acetylaminohypoxanthine |
| acyl | H | CH ₃ | S | Thymine |
| acyl | H | CH ₃ | S | Uracil |
| acyl | H | CH ₃ | S | Guanine |
| acyl | H | CH ₃ | S | Cytosine |
| acyl | H | CH ₃ | S | Adenine |
| acyl | H | CH ₃ | S | Hypoxanthine |
| acyl | H | CH ₃ | S | 5-Fluorouracil |
| acyl | H | CH ₃ | S | 8-Fluoroguanine |
| acyl | H | CH ₃ | S | 5-Fluorocytosine |
| acyl | H | CH ₃ | S | 8-Fluoroadenine |
| acyl | H | CH ₃ | S | 2-Fluoroadenine |
| acyl | H | CH ₃ | S | 2,8-Difluoroadenine |
| acyl | H | CH ₃ | S | 2-Fluorohypoxanthine |
| acyl | H | CH ₃ | S | 8-Fluorohypoxanthine |
| acyl | H | CH ₃ | S | 2,8-Difluorohypoxanthine |
| acyl | H | CH ₃ | S | 2-Aminoadenine |
| acyl | H | CH ₃ | S | 2-Amino-8-fluoroadenine |
| acyl | H | CH ₃ | S | 2-Amino-8-fluorohypoxanthine |
| acyl | H | CH ₃ | S | 2-Aminohypoxanthine |
| acyl | H | CH ₃ | S | 2-N-acetylguanine |
| acyl | H | CH ₃ | S | 4-N-acetylcytosine |
| acyl | H | CH ₃ | S | 6-N-acetyladenine |
| acyl | H | CH ₃ | S | 2-N-acetyl-8-fluoroguanine |
| acyl | H | CH ₃ | S | 4-N-acetyl-5-fluorocytosine |

| R ² | R ³ | R ⁶ | X | Base |
|----------------|----------------|-----------------|---|---------------------------------------|
| acyl | H | CH ₃ | S | 6-N-acetyl-2-fluoroadenine |
| acyl | H | CH ₃ | S | 6-N-acetyl-2,8-difluoroadenine |
| acyl | H | CH ₃ | S | 6-N-acetyl-2-aminoadenine |
| acyl | H | CH ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| acyl | H | CH ₃ | S | 2-N-acetylaminoadenine |
| acyl | H | CH ₃ | S | 2-N-acetyl-amino-8-fluoroadenine |
| acyl | H | CH ₃ | S | 2-N-acetyl-amino-8-fluorohypoxanthine |
| acyl | H | CH ₃ | S | 2-N-acetylaminohypoxanthine |
| acyl | acyl | CH ₃ | S | Thymine |
| acyl | acyl | CH ₃ | S | Uracil |
| acyl | acyl | CH ₃ | S | Guanine |
| acyl | acyl | CH ₃ | S | Cytosine |
| acyl | acyl | CH ₃ | S | Adenine |
| acyl | acyl | CH ₃ | S | Hypoxanthine |
| acyl | acyl | CH ₃ | S | 5-Fluorouracil |
| acyl | acyl | CH ₃ | S | 8-Fluoroguanine |
| acyl | acyl | CH ₃ | S | 5-Fluorocytosine |
| acyl | acyl | CH ₃ | S | 8-Fluoroadenine |
| acyl | acyl | CH ₃ | S | 2-Fluoroadenine |
| acyl | acyl | CH ₃ | S | 2,8-Difluoroadenine |
| acyl | acyl | CH ₃ | S | 2-Fluorohypoxanthine |
| acyl | acyl | CH ₃ | S | 8-Fluorohypoxanthine |
| acyl | acyl | CH ₃ | S | 2,8-Difluorohypoxanthine |
| acyl | acyl | CH ₃ | S | 2-Aminoadenine |
| acyl | acyl | CH ₃ | S | 2-Amino-8-fluoroadenine |
| acyl | acyl | CH ₃ | S | 2-Amino-8-fluorohypoxanthine |
| acyl | acyl | CH ₃ | S | 2-Aminohypoxanthine |
| acyl | acyl | CH ₃ | S | 2-N-acetylguanine |
| acyl | acyl | CH ₃ | S | 4-N-acetylcytosine |
| acyl | acyl | CH ₃ | S | 6-N-acetyladenine |
| acyl | acyl | CH ₃ | S | 2-N-acetyl-8-fluoroguanine |
| acyl | acyl | CH ₃ | S | 4-N-acetyl-5-fluorocytosine |
| acyl | acyl | CH ₃ | S | 6-N-acetyl-2-fluoroadenine |
| acyl | acyl | CH ₃ | S | 6-N-acetyl-2,8-difluoroadenine |
| acyl | acyl | CH ₃ | S | 6-N-acetyl-2-aminoadenine |
| acyl | acyl | CH ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| acyl | acyl | CH ₃ | S | 2-N-acetylaminoadenine |
| acyl | acyl | CH ₃ | S | 2-N-acetyl-amino-8-fluoroadenine |
| acyl | acyl | CH ₃ | S | 2-N-acetyl-amino-8-fluorohypoxanthine |
| acyl | acyl | CH ₃ | S | 2-N-acetylaminohypoxanthine |
| acyl | amino acid | CH ₃ | S | Thymine |
| acyl | amino acid | CH ₃ | S | Uracil |
| acyl | amino acid | CH ₃ | S | Guanine |
| acyl | amino acid | CH ₃ | S | Cytosine |
| acyl | amino acid | CH ₃ | S | Adenine |
| acyl | amino acid | CH ₃ | S | Hypoxanthine |
| acyl | amino acid | CH ₃ | S | 5-Fluorouracil |

| R ² | R ³ | R ⁶ | X | Base |
|----------------|----------------|-----------------|---|---------------------------------------|
| acyl | amino acid | CH ₃ | S | 8-Fluoroguanine |
| acyl | amino acid | CH ₃ | S | 5-Fluorocytosine |
| acyl | amino acid | CH ₃ | S | 8-Fluoroadenine |
| acyl | amino acid | CH ₃ | S | 2-Fluoroadenine |
| acyl | amino acid | CH ₃ | S | 2,8-Difluoroadenine |
| acyl | amino acid | CH ₃ | S | 2-Fluorohypoxanthine |
| acyl | amino acid | CH ₃ | S | 8-Fluorohypoxanthine |
| acyl | amino acid | CH ₃ | S | 2,8-Difluorohypoxanthine |
| acyl | amino acid | CH ₃ | S | 2-Aminoadenine |
| acyl | amino acid | CH ₃ | S | 2-Amino-8-fluoroadenine |
| acyl | amino acid | CH ₃ | S | 2-Amino-8-fluorohypoxanthine |
| acyl | amino acid | CH ₃ | S | 2-Aminohypoxanthine |
| acyl | amino acid | CH ₃ | S | 2-N-acetylguanine |
| acyl | amino acid | CH ₃ | S | 4-N-acetylcytosine |
| acyl | amino acid | CH ₃ | S | 6-N-acetyladenine |
| acyl | amino acid | CH ₃ | S | 2-N-acetyl-8-fluoroguanine |
| acyl | amino acid | CH ₃ | S | 4-N-acetyl-5-fluorocytosine |
| acyl | amino acid | CH ₃ | S | 6-N-acetyl-2-fluoroadenine |
| acyl | amino acid | CH ₃ | S | 6-N-acetyl-2,8-difluoroadenine |
| acyl | amino acid | CH ₃ | S | 6-N-acetyl-2-aminoadenine |
| acyl | amino acid | CH ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| acyl | amino acid | CH ₃ | S | 2-N-acetylaminoadenine |
| acyl | amino acid | CH ₃ | S | 2-N-acetyl-amino-8-fluoroadenine |
| acyl | amino acid | CH ₃ | S | 2-N-acetyl-amino-8-fluorohypoxanthine |
| acyl | amino acid | CH ₃ | S | 2-N-acetylaminohypoxanthine |
| H | acyl | CH ₃ | S | Thymine |
| H | acyl | CH ₃ | S | Uracil |
| H | acyl | CH ₃ | S | Guanine |
| H | acyl | CH ₃ | S | Cytosine |
| H | acyl | CH ₃ | S | Adenine |
| H | acyl | CH ₃ | S | Hypoxanthine |
| H | acyl | CH ₃ | S | 5-Fluorouracil |
| H | acyl | CH ₃ | S | 8-Fluoroguanine |
| H | acyl | CH ₃ | S | 5-Fluorocytosine |
| H | acyl | CH ₃ | S | 8-Fluoroadenine |
| H | acyl | CH ₃ | S | 2-Fluoroadenine |
| H | acyl | CH ₃ | S | 2,8-Difluoroadenine |
| H | acyl | CH ₃ | S | 2-Fluorohypoxanthine |
| H | acyl | CH ₃ | S | 8-Fluorohypoxanthine |
| H | acyl | CH ₃ | S | 2,8-Difluorohypoxanthine |
| H | acyl | CH ₃ | S | 2-Aminoadenine |
| H | acyl | CH ₃ | S | 2-Amino-8-fluoroadenine |
| H | acyl | CH ₃ | S | 2-Amino-8-fluorohypoxanthine |
| H | acyl | CH ₃ | S | 2-Aminohypoxanthine |
| H | acyl | CH ₃ | S | 2-N-acetylguanine |
| H | acyl | CH ₃ | S | 4-N-acetylcytosine |
| H | acyl | CH ₃ | S | 6-N-acetyladenine |

| R ² | R ³ | R ⁶ | X | Base |
|----------------|----------------|-----------------|---|---------------------------------------|
| H | acyl | CH ₃ | S | 2-N-acetyl-8-fluoroguanine |
| H | acyl | CH ₃ | S | 4-N-acetyl-5-fluorocytosine |
| H | acyl | CH ₃ | S | 6-N-acetyl-2-fluoroadenine |
| H | acyl | CH ₃ | S | 6-N-acetyl-2,8-difluoroadenine |
| H | acyl | CH ₃ | S | 6-N-acetyl-2-aminoadenine |
| H | acyl | CH ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| H | acyl | CH ₃ | S | 2-N-acetylaminoadenine |
| H | acyl | CH ₃ | S | 2-N-acetyl-amino-8-fluoroadenine |
| H | acyl | CH ₃ | S | 2-N-acetyl-amino-8-fluorohypoxanthine |
| H | acyl | CH ₃ | S | 2-N-acetylaminohypoxanthine |
| H | amino acid | CH ₃ | S | Thymine |
| H | amino acid | CH ₃ | S | Uracil |
| H | amino acid | CH ₃ | S | Guanine |
| H | amino acid | CH ₃ | S | Cytosine |
| H | amino acid | CH ₃ | S | Adenine |
| H | amino acid | CH ₃ | S | Hypoxanthine |
| H | amino acid | CH ₃ | S | 5-Fluorouracil |
| H | amino acid | CH ₃ | S | 8-Fluoroguanine |
| H | amino acid | CH ₃ | S | 5-Fluorocytosine |
| H | amino acid | CH ₃ | S | 8-Fluoroadenine |
| H | amino acid | CH ₃ | S | 2-Fluoroadenine |
| H | amino acid | CH ₃ | S | 2,8-Difluoroadenine |
| H | amino acid | CH ₃ | S | 2-Fluorohypoxanthine |
| H | amino acid | CH ₃ | S | 8-Fluorohypoxanthine |
| H | amino acid | CH ₃ | S | 2,8-Difluorohypoxanthine |
| H | amino acid | CH ₃ | S | 2-Aminoadenine |
| H | amino acid | CH ₃ | S | 2-Amino-8-fluoroadenine |
| H | amino acid | CH ₃ | S | 2-Amino-8-fluorohypoxanthine |
| H | amino acid | CH ₃ | S | 2-Aminohypoxanthine |
| H | amino acid | CH ₃ | S | 2-N-acetylguanine |
| H | amino acid | CH ₃ | S | 4-N-acetylcytosine |
| H | amino acid | CH ₃ | S | 6-N-acetyl-adenine |
| H | amino acid | CH ₃ | S | 2-N-acetyl-8-fluoroguanine |
| H | amino acid | CH ₃ | S | 4-N-acetyl-5-fluorocytosine |
| H | amino acid | CH ₃ | S | 6-N-acetyl-2-fluoroadenine |
| H | amino acid | CH ₃ | S | 6-N-acetyl-2,8-difluoroadenine |
| H | amino acid | CH ₃ | S | 6-N-acetyl-2-aminoadenine |
| H | amino acid | CH ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| H | amino acid | CH ₃ | S | 2-N-acetylaminoadenine |
| H | amino acid | CH ₃ | S | 2-N-acetyl-amino-8-fluoroadenine |
| H | amino acid | CH ₃ | S | 2-N-acetyl-amino-8-fluorohypoxanthine |
| H | amino acid | CH ₃ | S | 2-N-acetylaminohypoxanthine |
| amino acid | amino acid | CH ₃ | S | Thymine |
| amino acid | amino acid | CH ₃ | S | Uracil |
| amino acid | amino acid | CH ₃ | S | Guanine |
| amino acid | amino acid | CH ₃ | S | Cytosine |
| amino acid | amino acid | CH ₃ | S | Adenine |

| R² | R³ | R⁶ | X | Base |
|----------------------|----------------------|----------------------|----------|---------------------------------------|
| amino acid | amino acid | CH ₃ | S | Hypoxanthine |
| amino acid | amino acid | CH ₃ | S | 5-Fluorouracil |
| amino acid | amino acid | CH ₃ | S | 8-Fluoroguanine |
| amino acid | amino acid | CH ₃ | S | 5-Fluorocytosine |
| amino acid | amino acid | CH ₃ | S | 8-Fluoroadenine |
| amino acid | amino acid | CH ₃ | S | 2-Fluoroadenine |
| amino acid | amino acid | CH ₃ | S | 2,8-Difluoroadenine |
| amino acid | amino acid | CH ₃ | S | 2-Fluorohypoxanthine |
| amino acid | amino acid | CH ₃ | S | 8-Fluorohypoxanthine |
| amino acid | amino acid | CH ₃ | S | 2,8-Difluorohypoxanthine |
| amino acid | amino acid | CH ₃ | S | 2-Aminoadenine |
| amino acid | amino acid | CH ₃ | S | 2-Amino-8-fluoroadenine |
| amino acid | amino acid | CH ₃ | S | 2-Amino-8-fluorohypoxanthine |
| amino acid | amino acid | CH ₃ | S | 2-Aminohypoxanthine |
| amino acid | amino acid | CH ₃ | S | 2-N-acetylguanine |
| amino acid | amino acid | CH ₃ | S | 4-N-acetylcytosine |
| amino acid | amino acid | CH ₃ | S | 6-N-acetyladenine |
| amino acid | amino acid | CH ₃ | S | 2-N-acetyl-8-fluoroguanine |
| amino acid | amino acid | CH ₃ | S | 4-N-acetyl-5-fluorocytosine |
| amino acid | amino acid | CH ₃ | S | 6-N-acetyl-2-fluoroadenine |
| amino acid | amino acid | CH ₃ | S | 6-N-acetyl-2,8-difluoroadenine |
| amino acid | amino acid | CH ₃ | S | 6-N-acetyl-2-aminoadenine |
| amino acid | amino acid | CH ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| amino acid | amino acid | CH ₃ | S | 2-N-acetylaminoadenine |
| amino acid | amino acid | CH ₃ | S | 2-N-acetyl-amino-8-fluoroadenine |
| amino acid | amino acid | CH ₃ | S | 2-N-acetyl-amino-8-fluorohypoxanthine |
| amino acid | amino acid | CH ₃ | S | 2-N-acetylaminohypoxanthine |
| amino acid | H | CH ₃ | S | Thymine |
| amino acid | H | CH ₃ | S | Uracil |
| amino acid | H | CH ₃ | S | Guanine |
| amino acid | H | CH ₃ | S | Cytosine |
| amino acid | H | CH ₃ | S | Adenine |
| amino acid | H | CH ₃ | S | Hypoxanthine |
| amino acid | H | CH ₃ | S | 5-Fluorouracil |
| amino acid | H | CH ₃ | S | 8-Fluoroguanine |
| amino acid | H | CH ₃ | S | 5-Fluorocytosine |
| amino acid | H | CH ₃ | S | 8-Fluoroadenine |
| amino acid | H | CH ₃ | S | 2-Fluoroadenine |
| amino acid | H | CH ₃ | S | 2,8-Difluoroadenine |
| amino acid | H | CH ₃ | S | 2-Fluorohypoxanthine |
| amino acid | H | CH ₃ | S | 8-Fluorohypoxanthine |
| amino acid | H | CH ₃ | S | 2,8-Difluorohypoxanthine |
| amino acid | H | CH ₃ | S | 2-Aminoadenine |
| amino acid | H | CH ₃ | S | 2-Amino-8-fluoroadenine |
| amino acid | H | CH ₃ | S | 2-Amino-8-fluorohypoxanthine |
| amino acid | H | CH ₃ | S | 2-Aminohypoxanthine |
| amino acid | H | CH ₃ | S | 2-N-acetylguanine |

| R ² | R ³ | R ⁶ | X | Base |
|----------------|----------------|-----------------|---|------------------------------------|
| amino acid | H | CH ₃ | S | 4-N-acetylcytosine |
| amino acid | H | CH ₃ | S | 6-N-acetyl原因 |
| amino acid | H | CH ₃ | S | 2-N-acetyl-8-fluoroguanine |
| amino acid | H | CH ₃ | S | 4-N-acetyl-5-fluorocytosine |
| amino acid | H | CH ₃ | S | 6-N-acetyl-2-fluoroadenine |
| amino acid | H | CH ₃ | S | 6-N-acetyl-2,8-difluoroadenine |
| amino acid | H | CH ₃ | S | 6-N-acetyl-2-aminoadenine |
| amino acid | H | CH ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| amino acid | H | CH ₃ | S | 2-N-acetyl原因 |
| amino acid | H | CH ₃ | S | 2-N-acetyl原因-8-fluoroadenine |
| amino acid | H | CH ₃ | S | 2-N-acetyl原因-8-fluorohypoxanthine |
| amino acid | H | CH ₃ | S | 2-N-acetyl原因hypoxanthine |
| amino acid | acyl | CH ₃ | S | Thymine |
| amino acid | acyl | CH ₃ | S | Uracil |
| amino acid | acyl | CH ₃ | S | Guanine |
| amino acid | acyl | CH ₃ | S | Cytosine |
| amino acid | acyl | CH ₃ | S | Adenine |
| amino acid | acyl | CH ₃ | S | Hypoxanthine |
| amino acid | acyl | CH ₃ | S | 5-Fluorouracil |
| amino acid | acyl | CH ₃ | S | 8-Fluoroguanine |
| amino acid | acyl | CH ₃ | S | 5-Fluorocytosine |
| amino acid | acyl | CH ₃ | S | 8-Fluoroadenine |
| amino acid | acyl | CH ₃ | S | 2-Fluoroadenine |
| amino acid | acyl | CH ₃ | S | 2,8-Difluoroadenine |
| amino acid | acyl | CH ₃ | S | 2-Fluorohypoxanthine |
| amino acid | acyl | CH ₃ | S | 8-Fluorohypoxanthine |
| amino acid | acyl | CH ₃ | S | 2,8-Difluorohypoxanthine |
| amino acid | acyl | CH ₃ | S | 2-Aminoadenine |
| amino acid | acyl | CH ₃ | S | 2-Amino-8-fluoroadenine |
| amino acid | acyl | CH ₃ | S | 2-Amino-8-fluorohypoxanthine |
| amino acid | acyl | CH ₃ | S | 2-Aminohypoxanthine |
| amino acid | acyl | CH ₃ | S | 2-N-acetyl原因 |
| amino acid | acyl | CH ₃ | S | 4-N-acetylcytosine |
| amino acid | acyl | CH ₃ | S | 6-N-acetyl原因 |
| amino acid | acyl | CH ₃ | S | 2-N-acetyl-8-fluoroguanine |
| amino acid | acyl | CH ₃ | S | 4-N-acetyl-5-fluorocytosine |
| amino acid | acyl | CH ₃ | S | 6-N-acetyl-2-fluoroadenine |
| amino acid | acyl | CH ₃ | S | 6-N-acetyl-2,8-difluoroadenine |
| amino acid | acyl | CH ₃ | S | 6-N-acetyl-2-aminoadenine |
| amino acid | acyl | CH ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| amino acid | acyl | CH ₃ | S | 2-N-acetyl原因 |
| amino acid | acyl | CH ₃ | S | 2-N-acetyl原因-8-fluoroadenine |
| amino acid | acyl | CH ₃ | S | 2-N-acetyl原因-8-fluorohypoxanthine |
| amino acid | acyl | CH ₃ | S | 2-N-acetyl原因hypoxanthine |
| acyl | H | CF ₃ | S | Thymine |
| acyl | H | CF ₃ | S | Uracil |
| acyl | H | CF ₃ | S | Guanine |

| R² | R³ | R⁶ | X | Base |
|----------------------|----------------------|----------------------|----------|------------------------------------|
| acyl | H | CF ₃ | S | Cytosine |
| acyl | H | CF ₃ | S | Adenine |
| acyl | H | CF ₃ | S | Hypoxanthine |
| acyl | H | CF ₃ | S | 5-Fluorouracil |
| acyl | H | CF ₃ | S | 8-Fluoroguanine |
| acyl | H | CF ₃ | S | 5-Fluorocytosine |
| acyl | H | CF ₃ | S | 8-Fluoroadenine |
| acyl | H | CF ₃ | S | 2-Fluoroadenine |
| acyl | H | CF ₃ | S | 2,8-Difluoroadenine |
| acyl | H | CF ₃ | S | 2-Fluorohypoxanthine |
| acyl | H | CF ₃ | S | 8-Fluorohypoxanthine |
| acyl | H | CF ₃ | S | 2,8-Difluorohypoxanthine |
| acyl | H | CF ₃ | S | 2-Aminoadenine |
| acyl | H | CF ₃ | S | 2-Amino-8-fluoroadenine |
| acyl | H | CF ₃ | S | 2-Amino-8-fluorohypoxanthine |
| acyl | H | CF ₃ | S | 2-Aminohypoxanthine |
| acyl | H | CF ₃ | S | 2-N-acetylguanine |
| acyl | H | CF ₃ | S | 4-N-acetylcytosine |
| acyl | H | CF ₃ | S | 6-N-acetyl原因 |
| acyl | H | CF ₃ | S | 2-N-acetyl-8-fluoroguanine |
| acyl | H | CF ₃ | S | 4-N-acetyl-5-fluorocytosine |
| acyl | H | CF ₃ | S | 6-N-acetyl-2-fluoroadenine |
| acyl | H | CF ₃ | S | 6-N-acetyl-2,8-difluoroadenine |
| acyl | H | CF ₃ | S | 6-N-acetyl-2-aminoadenine |
| acyl | H | CF ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| acyl | H | CF ₃ | S | 2-N-acetyl原因 |
| acyl | H | CF ₃ | S | 2-N-acetyl原因-8-fluoroadenine |
| acyl | H | CF ₃ | S | 2-N-acetyl原因-8-fluorohypoxanthine |
| acyl | H | CF ₃ | S | 2-N-acetyl原因hypoxanthine |
| acyl | acyl | CF ₃ | S | Thymine |
| acyl | acyl | CF ₃ | S | Uracil |
| acyl | acyl | CF ₃ | S | Guanine |
| acyl | acyl | CF ₃ | S | Cytosine |
| acyl | acyl | CF ₃ | S | Adenine |
| acyl | acyl | CF ₃ | S | Hypoxanthine |
| acyl | acyl | CF ₃ | S | 5-Fluorouracil |
| acyl | acyl | CF ₃ | S | 8-Fluoroguanine |
| acyl | acyl | CF ₃ | S | 5-Fluorocytosine |
| acyl | acyl | CF ₃ | S | 8-Fluoroadenine |
| acyl | acyl | CF ₃ | S | 2-Fluoroadenine |
| acyl | acyl | CF ₃ | S | 2,8-Difluoroadenine |
| acyl | acyl | CF ₃ | S | 2-Fluorohypoxanthine |
| acyl | acyl | CF ₃ | S | 8-Fluorohypoxanthine |
| acyl | acyl | CF ₃ | S | 2,8-Difluorohypoxanthine |
| acyl | acyl | CF ₃ | S | 2-Aminoadenine |
| acyl | acyl | CF ₃ | S | 2-Amino-8-fluoroadenine |
| acyl | acyl | CF ₃ | S | 2-Amino-8-fluorohypoxanthine |

| R ² | R ³ | R ⁶ | X | Base |
|----------------|----------------|-----------------|---|--------------------------------------|
| acyl | acyl | CF ₃ | S | 2-Aminohypoxanthine |
| acyl | acyl | CF ₃ | S | 2-N-acetylguanine |
| acyl | acyl | CF ₃ | S | 4-N-acetylcytosine |
| acyl | acyl | CF ₃ | S | 6-N-acetyladenine |
| acyl | acyl | CF ₃ | S | 2-N-acetyl-8-fluoroguanine |
| acyl | acyl | CF ₃ | S | 4-N-acetyl-5-fluorocytosine |
| acyl | acyl | CF ₃ | S | 6-N-acetyl-2-fluoroadenine |
| acyl | acyl | CF ₃ | S | 6-N-acetyl-2,8-difluoroadenine |
| acyl | acyl | CF ₃ | S | 6-N-acetyl-2-aminoadenine |
| acyl | acyl | CF ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| acyl | acyl | CF ₃ | S | 2-N-acetylaminoadenine |
| acyl | acyl | CF ₃ | S | 2-N-acetylamino-8-fluoroadenine |
| acyl | acyl | CF ₃ | S | 2-N-acetylamino-8-fluorohypoxanthine |
| acyl | acyl | CF ₃ | S | 2-N-acetylaminohypoxanthine |
| acyl | amino acid | CF ₃ | S | Thymine |
| acyl | amino acid | CF ₃ | S | Uracil |
| acyl | amino acid | CF ₃ | S | Guanine |
| acyl | amino acid | CF ₃ | S | Cytosine |
| acyl | amino acid | CF ₃ | S | Adenine |
| acyl | amino acid | CF ₃ | S | Hypoxanthine |
| acyl | amino acid | CF ₃ | S | 5-Fluorouracil |
| acyl | amino acid | CF ₃ | S | 8-Fluoroguanine |
| acyl | amino acid | CF ₃ | S | 5-Fluorocytosine |
| acyl | amino acid | CF ₃ | S | 8-Fluoroadenine |
| acyl | amino acid | CF ₃ | S | 2-Fluoroadenine |
| acyl | amino acid | CF ₃ | S | 2,8-Difluoroadenine |
| acyl | amino acid | CF ₃ | S | 2-Fluorohypoxanthine |
| acyl | amino acid | CF ₃ | S | 8-Fluorohypoxanthine |
| acyl | amino acid | CF ₃ | S | 2,8-Difluorohypoxanthine |
| acyl | amino acid | CF ₃ | S | 2-Aminoadenine |
| acyl | amino acid | CF ₃ | S | 2-Amino-8-fluoroadenine |
| acyl | amino acid | CF ₃ | S | 2-Amino-8-fluorohypoxanthine |
| acyl | amino acid | CF ₃ | S | 2-Aminohypoxanthine |
| acyl | amino acid | CF ₃ | S | 2-N-acetylguanine |
| acyl | amino acid | CF ₃ | S | 4-N-acetylcytosine |
| acyl | amino acid | CF ₃ | S | 6-N-acetyladenine |
| acyl | amino acid | CF ₃ | S | 2-N-acetyl-8-fluoroguanine |
| acyl | amino acid | CF ₃ | S | 4-N-acetyl-5-fluorocytosine |
| acyl | amino acid | CF ₃ | S | 6-N-acetyl-2-fluoroadenine |
| acyl | amino acid | CF ₃ | S | 6-N-acetyl-2,8-difluoroadenine |
| acyl | amino acid | CF ₃ | S | 6-N-acetyl-2-aminoadenine |
| acyl | amino acid | CF ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| acyl | amino acid | CF ₃ | S | 2-N-acetylaminoadenine |
| acyl | amino acid | CF ₃ | S | 2-N-acetylamino-8-fluoroadenine |
| acyl | amino acid | CF ₃ | S | 2-N-acetylamino-8-fluorohypoxanthine |
| acyl | amino acid | CF ₃ | S | 2-N-acetylaminohypoxanthine |
| H | acyl | CF ₃ | S | Thymine |

| R² | R³ | R⁶ | X | Base |
|----------------------|----------------------|----------------------|----------|--------------------------------------|
| H | acyl | CF ₃ | S | Uracil |
| H | acyl | CF ₃ | S | Guanine |
| H | acyl | CF ₃ | S | Cytosine |
| H | acyl | CF ₃ | S | Adenine |
| H | acyl | CF ₃ | S | Hypoxanthine |
| H | acyl | CF ₃ | S | 5-Fluorouracil |
| H | acyl | CF ₃ | S | 8-Fluoroguanine |
| H | acyl | CF ₃ | S | 5-Fluorocytosine |
| H | acyl | CF ₃ | S | 8-Fluoroadenine |
| H | acyl | CF ₃ | S | 2-Fluoroadenine |
| H | acyl | CF ₃ | S | 2,8-Difluoroadenine |
| H | acyl | CF ₃ | S | 2-Fluorohypoxanthine |
| H | acyl | CF ₃ | S | 8-Fluorohypoxanthine |
| H | acyl | CF ₃ | S | 2,8-Difluorohypoxanthine |
| H | acyl | CF ₃ | S | 2-Aminoadenine |
| H | acyl | CF ₃ | S | 2-Amino-8-fluoroadenine |
| H | acyl | CF ₃ | S | 2-Amino-8-fluorohypoxanthine |
| H | acyl | CF ₃ | S | 2-Aminohypoxanthine |
| H | acyl | CF ₃ | S | 2-N-acetylguanine |
| H | acyl | CF ₃ | S | 4-N-acetylcytosine |
| H | acyl | CF ₃ | S | 6-N-acetyladenine |
| H | acyl | CF ₃ | S | 2-N-acetyl-8-fluoroguanine |
| H | acyl | CF ₃ | S | 4-N-acetyl-5-fluorocytosine |
| H | acyl | CF ₃ | S | 6-N-acetyl-2-fluoroadenine |
| H | acyl | CF ₃ | S | 6-N-acetyl-2,8-difluoroadenine |
| H | acyl | CF ₃ | S | 6-N-acetyl-2-aminoadenine |
| H | acyl | CF ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| H | acyl | CF ₃ | S | 2-N-acetylaminoadenine |
| H | acyl | CF ₃ | S | 2-N-acetylamino-8-fluoroadenine |
| H | acyl | CF ₃ | S | 2-N-acetylamino-8-fluorohypoxanthine |
| H | acyl | CF ₃ | S | 2-N-acetylaminohypoxanthine |
| H | amino acid | CF ₃ | S | Thymine |
| H | amino acid | CF ₃ | S | Uracil |
| H | amino acid | CF ₃ | S | Guanine |
| H | amino acid | CF ₃ | S | Cytosine |
| H | amino acid | CF ₃ | S | Adenine |
| H | amino acid | CF ₃ | S | Hypoxanthine |
| H | amino acid | CF ₃ | S | 5-Fluorouracil |
| H | amino acid | CF ₃ | S | 8-Fluoroguanine |
| H | amino acid | CF ₃ | S | 5-Fluorocytosine |
| H | amino acid | CF ₃ | S | 8-Fluoroadenine |
| H | amino acid | CF ₃ | S | 2-Fluoroadenine |
| H | amino acid | CF ₃ | S | 2,8-Difluoroadenine |
| H | amino acid | CF ₃ | S | 2-Fluorohypoxanthine |
| H | amino acid | CF ₃ | S | 8-Fluorohypoxanthine |
| H | amino acid | CF ₃ | S | 2,8-Difluorohypoxanthine |
| H | amino acid | CF ₃ | S | 2-Aminoadenine |

| R² | R³ | R⁶ | X | Base |
|----------------------|----------------------|----------------------|----------|---------------------------------------|
| H | amino acid | CF ₃ | S | 2-Amino-8-fluoroadenine |
| H | amino acid | CF ₃ | S | 2-Amino-8-fluorohypoxanthine |
| H | amino acid | CF ₃ | S | 2-Aminohypoxanthine |
| H | amino acid | CF ₃ | S | 2-N-acetylguanine |
| H | amino acid | CF ₃ | S | 4-N-acetylcytosine |
| H | amino acid | CF ₃ | S | 6-N-acetyladenine |
| H | amino acid | CF ₃ | S | 2-N-acetyl-8-fluoroguanine |
| H | amino acid | CF ₃ | S | 4-N-acetyl-5-fluorocytosine |
| H | amino acid | CF ₃ | S | 6-N-acetyl-2-fluoroadenine |
| H | amino acid | CF ₃ | S | 6-N-acetyl-2,8-difluoroadenine |
| H | amino acid | CF ₃ | S | 6-N-acetyl-2-aminoadenine |
| H | amino acid | CF ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| H | amino acid | CF ₃ | S | 2-N-acetylaminoadenine |
| H | amino acid | CF ₃ | S | 2-N-acetyl-amino-8-fluoroadenine |
| H | amino acid | CF ₃ | S | 2-N-acetyl-amino-8-fluorohypoxanthine |
| H | amino acid | CF ₃ | S | 2-N-acetylaminohypoxanthine |
| amino acid | amino acid | CF ₃ | S | Thymine |
| amino acid | amino acid | CF ₃ | S | Uracil |
| amino acid | amino acid | CF ₃ | S | Guanine |
| amino acid | amino acid | CF ₃ | S | Cytosine |
| amino acid | amino acid | CF ₃ | S | Adenine |
| amino acid | amino acid | CF ₃ | S | Hypoxanthine |
| amino acid | amino acid | CF ₃ | S | 5-Fluorouracil |
| amino acid | amino acid | CF ₃ | S | 8-Fluoroguanine |
| amino acid | amino acid | CF ₃ | S | 5-Fluorocytosine |
| amino acid | amino acid | CF ₃ | S | 8-Fluoroadenine |
| amino acid | amino acid | CF ₃ | S | 2-Fluoroadenine |
| amino acid | amino acid | CF ₃ | S | 2,8-Difluoroadenine |
| amino acid | amino acid | CF ₃ | S | 2-Fluorohypoxanthine |
| amino acid | amino acid | CF ₃ | S | 8-Fluorohypoxanthine |
| amino acid | amino acid | CF ₃ | S | 2,8-Difluorohypoxanthine |
| amino acid | amino acid | CF ₃ | S | 2-Aminoadenine |
| amino acid | amino acid | CF ₃ | S | 2-Amino-8-fluoroadenine |
| amino acid | amino acid | CF ₃ | S | 2-Amino-8-fluorohypoxanthine |
| amino acid | amino acid | CF ₃ | S | 2-Aminohypoxanthine |
| amino acid | amino acid | CF ₃ | S | 2-N-acetylguanine |
| amino acid | amino acid | CF ₃ | S | 4-N-acetylcytosine |
| amino acid | amino acid | CF ₃ | S | 6-N-acetyladenine |
| amino acid | amino acid | CF ₃ | S | 2-N-acetyl-8-fluoroguanine |
| amino acid | amino acid | CF ₃ | S | 4-N-acetyl-5-fluorocytosine |
| amino acid | amino acid | CF ₃ | S | 6-N-acetyl-2-fluoroadenine |
| amino acid | amino acid | CF ₃ | S | 6-N-acetyl-2,8-difluoroadenine |
| amino acid | amino acid | CF ₃ | S | 6-N-acetyl-2-aminoadenine |
| amino acid | amino acid | CF ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| amino acid | amino acid | CF ₃ | S | 2-N-acetylaminoadenine |
| amino acid | amino acid | CF ₃ | S | 2-N-acetyl-amino-8-fluoroadenine |
| amino acid | amino acid | CF ₃ | S | 2-N-acetyl-amino-8-fluorohypoxanthine |

| R ² | R ³ | R ⁶ | X | Base |
|----------------|----------------|-----------------|---|--------------------------------------|
| amino acid | amino acid | CF ₃ | S | 2-N-acetylaminohypoxanthine |
| amino acid | H | CF ₃ | S | Thymine |
| amino acid | H | CF ₃ | S | Uracil |
| amino acid | H | CF ₃ | S | Guanine |
| amino acid | H | CF ₃ | S | Cytosine |
| amino acid | H | CF ₃ | S | Adenine |
| amino acid | H | CF ₃ | S | Hypoxanthine |
| amino acid | H | CF ₃ | S | 5-Fluorouracil |
| amino acid | H | CF ₃ | S | 8-Fluoroguanine |
| amino acid | H | CF ₃ | S | 5-Fluorocytosine |
| amino acid | H | CF ₃ | S | 8-Fluoroadenine |
| amino acid | H | CF ₃ | S | 2-Fluoroadenine |
| amino acid | H | CF ₃ | S | 2,8-Difluoroadenine |
| amino acid | H | CF ₃ | S | 2-Fluorohypoxanthine |
| amino acid | H | CF ₃ | S | 8-Fluorohypoxanthine |
| amino acid | H | CF ₃ | S | 2,8-Difluorohypoxanthine |
| amino acid | H | CF ₃ | S | 2-Aminoadenine |
| amino acid | H | CF ₃ | S | 2-Amino-8-fluoroadenine |
| amino acid | H | CF ₃ | S | 2-Amino-8-fluorohypoxanthine |
| amino acid | H | CF ₃ | S | 2-Aminohypoxanthine |
| amino acid | H | CF ₃ | S | 2-N-acetylguanine |
| amino acid | H | CF ₃ | S | 4-N-acetylcytosine |
| amino acid | H | CF ₃ | S | 6-N-acetyladenine |
| amino acid | H | CF ₃ | S | 2-N-acetyl-8-fluoroguanine |
| amino acid | H | CF ₃ | S | 4-N-acetyl-5-fluorocytosine |
| amino acid | H | CF ₃ | S | 6-N-acetyl-2-fluoroadenine |
| amino acid | H | CF ₃ | S | 6-N-acetyl-2,8-difluoroadenine |
| amino acid | H | CF ₃ | S | 6-N-acetyl-2-aminoadenine |
| amino acid | H | CF ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| amino acid | H | CF ₃ | S | 2-N-acetylaminoadenine |
| amino acid | H | CF ₃ | S | 2-N-acetylamino-8-fluoroadenine |
| amino acid | H | CF ₃ | S | 2-N-acetylamino-8-fluorohypoxanthine |
| amino acid | H | CF ₃ | S | 2-N-acetylaminohypoxanthine |
| amino acid | acyl | CF ₃ | S | Thymine |
| amino acid | acyl | CF ₃ | S | Uracil |
| amino acid | acyl | CF ₃ | S | Guanine |
| amino acid | acyl | CF ₃ | S | Cytosine |
| amino acid | acyl | CF ₃ | S | Adenine |
| amino acid | acyl | CF ₃ | S | Hypoxanthine |
| amino acid | acyl | CF ₃ | S | 5-Fluorouracil |
| amino acid | acyl | CF ₃ | S | 8-Fluoroguanine |
| amino acid | acyl | CF ₃ | S | 5-Fluorocytosine |
| amino acid | acyl | CF ₃ | S | 8-Fluoroadenine |
| amino acid | acyl | CF ₃ | S | 2-Fluoroadenine |
| amino acid | acyl | CF ₃ | S | 2,8-Difluoroadenine |
| amino acid | acyl | CF ₃ | S | 2-Fluorohypoxanthine |
| amino acid | acyl | CF ₃ | S | 8-Fluorohypoxanthine |

| R² | R³ | R⁶ | X | Base |
|----------------------|----------------------|----------------------|----------|--------------------------------------|
| amino acid | acyl | CF ₃ | S | 2,8-Difluorohypoxanthine |
| amino acid | acyl | CF ₃ | S | 2-Aminoadenine |
| amino acid | acyl | CF ₃ | S | 2-Amino-8-fluoroadenine |
| amino acid | acyl | CF ₃ | S | 2-Amino-8-fluorohypoxanthine |
| amino acid | acyl | CF ₃ | S | 2-Aminohypoxanthine |
| amino acid | acyl | CF ₃ | S | 2-N-acetylguanine |
| amino acid | acyl | CF ₃ | S | 4-N-acetylcytosine |
| amino acid | acyl | CF ₃ | S | 6-N-acetyladenine |
| amino acid | acyl | CF ₃ | S | 2-N-acetyl-8-fluoroguanine |
| amino acid | acyl | CF ₃ | S | 4-N-acetyl-5-fluorocytosine |
| amino acid | acyl | CF ₃ | S | 6-N-acetyl-2-fluoroadenine |
| amino acid | acyl | CF ₃ | S | 6-N-acetyl-2,8-difluoroadenine |
| amino acid | acyl | CF ₃ | S | 6-N-acetyl-2-aminoadenine |
| amino acid | acyl | CF ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| amino acid | acyl | CF ₃ | S | 2-N-acetylaminoadenine |
| amino acid | acyl | CF ₃ | S | 2-N-acetylamino-8-fluoroadenine |
| amino acid | acyl | CF ₃ | S | 2-N-acetylamino-8-fluorohypoxanthine |
| amino acid | acyl | CF ₃ | S | 2-N-acetylaminohypoxanthine |
| acyl | H | CF ₃ | O | Thymine |
| acyl | H | CF ₃ | O | Uracil |
| acyl | H | CF ₃ | O | Guanine |
| acyl | H | CF ₃ | O | Cytosine |
| acyl | H | CF ₃ | O | Adenine |
| acyl | H | CF ₃ | O | Hypoxanthine |
| acyl | H | CF ₃ | O | 5-Fluorouracil |
| acyl | H | CF ₃ | O | 8-Fluoroguanine |
| acyl | H | CF ₃ | O | 5-Fluorocytosine |
| acyl | H | CF ₃ | O | 8-Fluoroadenine |
| acyl | H | CF ₃ | O | 2-Fluoroadenine |
| acyl | H | CF ₃ | O | 2,8-Difluoroadenine |
| acyl | H | CF ₃ | O | 2-Fluorohypoxanthine |
| acyl | H | CF ₃ | O | 8-Fluorohypoxanthine |
| acyl | H | CF ₃ | O | 2,8-Difluorohypoxanthine |
| acyl | H | CF ₃ | O | 2-Aminoadenine |
| acyl | H | CF ₃ | O | 2-Amino-8-fluoroadenine |
| acyl | H | CF ₃ | O | 2-Amino-8-fluorohypoxanthine |
| acyl | H | CF ₃ | O | 2-Aminohypoxanthine |
| acyl | H | CF ₃ | O | 2-N-acetylguanine |
| acyl | H | CF ₃ | O | 4-N-acetylcytosine |
| acyl | H | CF ₃ | O | 6-N-acetyladenine |
| acyl | H | CF ₃ | O | 2-N-acetyl-8-fluoroguanine |
| acyl | H | CF ₃ | O | 4-N-acetyl-5-fluorocytosine |
| acyl | H | CF ₃ | O | 6-N-acetyl-2-fluoroadenine |
| acyl | H | CF ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| acyl | H | CF ₃ | O | 6-N-acetyl-2-aminoadenine |
| acyl | H | CF ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |
| acyl | H | CF ₃ | O | 2-N-acetylaminoadenine |

| R² | R³ | R⁶ | X | Base |
|----------------------|----------------------|----------------------|----------|--------------------------------------|
| acyl | H | CF ₃ | O | 2-N-acetylamino-8-fluoroadenine |
| acyl | H | CF ₃ | O | 2-N-acetylamino-8-fluorohypoxanthine |
| acyl | H | CF ₃ | O | 2-N-acetylaminohypoxanthine |
| acyl | acyl | CF ₃ | O | Thymine |
| acyl | acyl | CF ₃ | O | Uracil |
| acyl | acyl | CF ₃ | O | Guanine |
| acyl | acyl | CF ₃ | O | Cytosine |
| acyl | acyl | CF ₃ | O | Adenine |
| acyl | acyl | CF ₃ | O | Hypoxanthine |
| acyl | acyl | CF ₃ | O | 5-Fluorouracil |
| acyl | acyl | CF ₃ | O | 8-Fluoroguanine |
| acyl | acyl | CF ₃ | O | 5-Fluorocytosine |
| acyl | acyl | CF ₃ | O | 8-Fluoroadenine |
| acyl | acyl | CF ₃ | O | 2-Fluoroadenine |
| acyl | acyl | CF ₃ | O | 2,8-Difluoroadenine |
| acyl | acyl | CF ₃ | O | 2-Fluorohypoxanthine |
| acyl | acyl | CF ₃ | O | 8-Fluorohypoxanthine |
| acyl | acyl | CF ₃ | O | 2,8-Difluorohypoxanthine |
| acyl | acyl | CF ₃ | O | 2-Aminoadenine |
| acyl | acyl | CF ₃ | O | 2-Amino-8-fluoroadenine |
| acyl | acyl | CF ₃ | O | 2-Amino-8-fluorohypoxanthine |
| acyl | acyl | CF ₃ | O | 2-Aminohypoxanthine |
| acyl | acyl | CF ₃ | O | 2-N-acetylguanine |
| acyl | acyl | CF ₃ | O | 4-N-acetylcytosine |
| acyl | acyl | CF ₃ | O | 6-N-acetyladenine |
| acyl | acyl | CF ₃ | O | 2-N-acetyl-8-fluoroguanine |
| acyl | acyl | CF ₃ | O | 4-N-acetyl-5-fluorocytosine |
| acyl | acyl | CF ₃ | O | 6-N-acetyl-2-fluoroadenine |
| acyl | acyl | CF ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| acyl | acyl | CF ₃ | O | 6-N-acetyl-2-aminoadenine |
| acyl | acyl | CF ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |
| acyl | acyl | CF ₃ | O | 2-N-acetylaminoadenine |
| acyl | acyl | CF ₃ | O | 2-N-acetylamino-8-fluoroadenine |
| acyl | acyl | CF ₃ | O | 2-N-acetylamino-8-fluorohypoxanthine |
| acyl | acyl | CF ₃ | O | 2-N-acetylaminohypoxanthine |
| acyl | amino acid | CF ₃ | O | Thymine |
| acyl | amino acid | CF ₃ | O | Uracil |
| acyl | amino acid | CF ₃ | O | Guanine |
| acyl | amino acid | CF ₃ | O | Cytosine |
| acyl | amino acid | CF ₃ | O | Adenine |
| acyl | amino acid | CF ₃ | O | Hypoxanthine |
| acyl | amino acid | CF ₃ | O | 5-Fluorouracil |
| acyl | amino acid | CF ₃ | O | 8-Fluoroguanine |
| acyl | amino acid | CF ₃ | O | 5-Fluorocytosine |
| acyl | amino acid | CF ₃ | O | 8-Fluoroadenine |
| acyl | amino acid | CF ₃ | O | 2-Fluoroadenine |
| acyl | amino acid | CF ₃ | O | 2,8-Difluoroadenine |

| R² | R³ | R⁶ | X | Base |
|----------------------|----------------------|----------------------|----------|--------------------------------------|
| acyl | amino acid | CF ₃ | O | 2-Fluorohypoxanthine |
| acyl | amino acid | CF ₃ | O | 8-Fluorohypoxanthine |
| acyl | amino acid | CF ₃ | O | 2,8-Difluorohypoxanthine |
| acyl | amino acid | CF ₃ | O | 2-Aminoadenine |
| acyl | amino acid | CF ₃ | O | 2-Amino-8-fluoroadenine |
| acyl | amino acid | CF ₃ | O | 2-Amino-8-fluorohypoxanthine |
| acyl | amino acid | CF ₃ | O | 2-Aminohypoxanthine |
| acyl | amino acid | CF ₃ | O | 2-N-acetylguanine |
| acyl | amino acid | CF ₃ | O | 4-N-acetylcytosine |
| acyl | amino acid | CF ₃ | O | 6-N-acetyladenine |
| acyl | amino acid | CF ₃ | O | 2-N-acetyl-8-fluoroguanine |
| acyl | amino acid | CF ₃ | O | 4-N-acetyl-5-fluorocytosine |
| acyl | amino acid | CF ₃ | O | 6-N-acetyl-2-fluoroadenine |
| acyl | amino acid | CF ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| acyl | amino acid | CF ₃ | O | 6-N-acetyl-2-aminoadenine |
| acyl | amino acid | CF ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |
| acyl | amino acid | CF ₃ | O | 2-N-acetylaminoadenine |
| acyl | amino acid | CF ₃ | O | 2-N-acetylamino-8-fluoroadenine |
| acyl | amino acid | CF ₃ | O | 2-N-acetylamino-8-fluorohypoxanthine |
| acyl | amino acid | CF ₃ | O | 2-N-acetylaminohypoxanthine |
| H | acyl | CF ₃ | O | Thymine |
| H | acyl | CF ₃ | O | Uracil |
| H | acyl | CF ₃ | O | Guanine |
| H | acyl | CF ₃ | O | Cytosine |
| H | acyl | CF ₃ | O | Adenine |
| H | acyl | CF ₃ | O | Hypoxanthine |
| H | acyl | CF ₃ | O | 5-Fluorouracil |
| H | acyl | CF ₃ | O | 8-Fluoroguanine |
| H | acyl | CF ₃ | O | 5-Fluorocytosine |
| H | acyl | CF ₃ | O | 8-Fluoroadenine |
| H | acyl | CF ₃ | O | 2-Fluoroadenine |
| H | acyl | CF ₃ | O | 2,8-Difluoroadenine |
| H | acyl | CF ₃ | O | 2-Fluorohypoxanthine |
| H | acyl | CF ₃ | O | 8-Fluorohypoxanthine |
| H | acyl | CF ₃ | O | 2,8-Difluorohypoxanthine |
| H | acyl | CF ₃ | O | 2-Aminoadenine |
| H | acyl | CF ₃ | O | 2-Amino-8-fluoroadenine |
| H | acyl | CF ₃ | O | 2-Amino-8-fluorohypoxanthine |
| H | acyl | CF ₃ | O | 2-Aminohypoxanthine |
| H | acyl | CF ₃ | O | 2-N-acetylguanine |
| H | acyl | CF ₃ | O | 4-N-acetylcytosine |
| H | acyl | CF ₃ | O | 6-N-acetyladenine |
| H | acyl | CF ₃ | O | 2-N-acetyl-8-fluoroguanine |
| H | acyl | CF ₃ | O | 4-N-acetyl-5-fluorocytosine |
| H | acyl | CF ₃ | O | 6-N-acetyl-2-fluoroadenine |
| H | acyl | CF ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| H | acyl | CF ₃ | O | 6-N-acetyl-2-aminoadenine |

| R ² | R ³ | R ⁶ | X | Base |
|----------------|----------------|-----------------|---|---------------------------------------|
| H | acyl | CF ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |
| H | acyl | CF ₃ | O | 2-N-acetylaminoadenine |
| H | acyl | CF ₃ | O | 2-N-acetyl-amino-8-fluoroadenine |
| H | acyl | CF ₃ | O | 2-N-acetyl-amino-8-fluorohypoxanthine |
| H | acyl | CF ₃ | O | 2-N-acetylaminohypoxanthine |
| H | amino acid | CF ₃ | O | Thymine |
| H | amino acid | CF ₃ | O | Uracil |
| H | amino acid | CF ₃ | O | Guanine |
| H | amino acid | CF ₃ | O | Cytosine |
| H | amino acid | CF ₃ | O | Adenine |
| H | amino acid | CF ₃ | O | Hypoxanthine |
| H | amino acid | CF ₃ | O | 5-Fluorouracil |
| H | amino acid | CF ₃ | O | 8-Fluoroguanine |
| H | amino acid | CF ₃ | O | 5-Fluorocytosine |
| H | amino acid | CF ₃ | O | 8-Fluoroadenine |
| H | amino acid | CF ₃ | O | 2-Fluoroadenine |
| H | amino acid | CF ₃ | O | 2,8-Difluoroadenine |
| H | amino acid | CF ₃ | O | 2-Fluorohypoxanthine |
| H | amino acid | CF ₃ | O | 8-Fluorohypoxanthine |
| H | amino acid | CF ₃ | O | 2,8-Difluorohypoxanthine |
| H | amino acid | CF ₃ | O | 2-Aminoadenine |
| H | amino acid | CF ₃ | O | 2-Amino-8-fluoroadenine |
| H | amino acid | CF ₃ | O | 2-Amino-8-fluorohypoxanthine |
| H | amino acid | CF ₃ | O | 2-Aminohypoxanthine |
| H | amino acid | CF ₃ | O | 2-N-acetylguanine |
| H | amino acid | CF ₃ | O | 4-N-acetylcytosine |
| H | amino acid | CF ₃ | O | 6-N-acetyladenine |
| H | amino acid | CF ₃ | O | 2-N-acetyl-8-fluoroguanine |
| H | amino acid | CF ₃ | O | 4-N-acetyl-5-fluorocytosine |
| H | amino acid | CF ₃ | O | 6-N-acetyl-2-fluoroadenine |
| H | amino acid | CF ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| H | amino acid | CF ₃ | O | 6-N-acetyl-2-aminoadenine |
| H | amino acid | CF ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |
| H | amino acid | CF ₃ | O | 2-N-acetylaminoadenine |
| H | amino acid | CF ₃ | O | 2-N-acetyl-amino-8-fluoroadenine |
| H | amino acid | CF ₃ | O | 2-N-acetyl-amino-8-fluorohypoxanthine |
| H | amino acid | CF ₃ | O | 2-N-acetylaminohypoxanthine |
| amino acid | amino acid | CF ₃ | O | Thymine |
| amino acid | amino acid | CF ₃ | O | Uracil |
| amino acid | amino acid | CF ₃ | O | Guanine |
| amino acid | amino acid | CF ₃ | O | Cytosine |
| amino acid | amino acid | CF ₃ | O | Adenine |
| amino acid | amino acid | CF ₃ | O | Hypoxanthine |
| amino acid | amino acid | CF ₃ | O | 5-Fluorouracil |
| amino acid | amino acid | CF ₃ | O | 8-Fluoroguanine |
| amino acid | amino acid | CF ₃ | O | 5-Fluorocytosine |
| amino acid | amino acid | CF ₃ | O | 8-Fluoroadenine |

| R² | R³ | R⁶ | X | Base |
|----------------------|----------------------|----------------------|----------|---------------------------------------|
| amino acid | amino acid | CF ₃ | O | 2-Fluoroadenine |
| amino acid | amino acid | CF ₃ | O | 2,8-Difluoroadenine |
| amino acid | amino acid | CF ₃ | O | 2-Fluorohypoxanthine |
| amino acid | amino acid | CF ₃ | O | 8-Fluorohypoxanthine |
| amino acid | amino acid | CF ₃ | O | 2,8-Difluorohypoxanthine |
| amino acid | amino acid | CF ₃ | O | 2-Aminoadenine |
| amino acid | amino acid | CF ₃ | O | 2-Amino-8-fluoroadenine |
| amino acid | amino acid | CF ₃ | O | 2-Amino-8-fluorohypoxanthine |
| amino acid | amino acid | CF ₃ | O | 2-Aminohypoxanthine |
| amino acid | amino acid | CF ₃ | O | 2-N-acetylguanine |
| amino acid | amino acid | CF ₃ | O | 4-N-acetylcytosine |
| amino acid | amino acid | CF ₃ | O | 6-N-acetyladenine |
| amino acid | amino acid | CF ₃ | O | 2-N-acetyl-8-fluoroguanine |
| amino acid | amino acid | CF ₃ | O | 4-N-acetyl-5-fluorocytosine |
| amino acid | amino acid | CF ₃ | O | 6-N-acetyl-2-fluoroadenine |
| amino acid | amino acid | CF ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| amino acid | amino acid | CF ₃ | O | 6-N-acetyl-2-aminoadenine |
| amino acid | amino acid | CF ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |
| amino acid | amino acid | CF ₃ | O | 2-N-acetylaminoadenine |
| amino acid | amino acid | CF ₃ | O | 2-N-acetyl-amino-8-fluoroadenine |
| amino acid | amino acid | CF ₃ | O | 2-N-acetyl-amino-8-fluorohypoxanthine |
| amino acid | amino acid | CF ₃ | O | 2-N-acetylaminohypoxanthine |
| amino acid | H | CF ₃ | O | Thymine |
| amino acid | H | CF ₃ | O | Uracil |
| amino acid | H | CF ₃ | O | Guanine |
| amino acid | H | CF ₃ | O | Cytosine |
| amino acid | H | CF ₃ | O | Adenine |
| amino acid | H | CF ₃ | O | Hypoxanthine |
| amino acid | H | CF ₃ | O | 5-Fluorouracil |
| amino acid | H | CF ₃ | O | 8-Fluoroguanine |
| amino acid | H | CF ₃ | O | 5-Fluorocytosine |
| amino acid | H | CF ₃ | O | 8-Fluoroadenine |
| amino acid | H | CF ₃ | O | 2-Fluoroadenine |
| amino acid | H | CF ₃ | O | 2,8-Difluoroadenine |
| amino acid | H | CF ₃ | O | 2-Fluorohypoxanthine |
| amino acid | H | CF ₃ | O | 8-Fluorohypoxanthine |
| amino acid | H | CF ₃ | O | 2,8-Difluorohypoxanthine |
| amino acid | H | CF ₃ | O | 2-Aminoadenine |
| amino acid | H | CF ₃ | O | 2-Amino-8-fluoroadenine |
| amino acid | H | CF ₃ | O | 2-Amino-8-fluorohypoxanthine |
| amino acid | H | CF ₃ | O | 2-Aminohypoxanthine |
| amino acid | H | CF ₃ | O | 2-N-acetylguanine |
| amino acid | H | CF ₃ | O | 4-N-acetylcytosine |
| amino acid | H | CF ₃ | O | 6-N-acetyladenine |
| amino acid | H | CF ₃ | O | 2-N-acetyl-8-fluoroguanine |
| amino acid | H | CF ₃ | O | 4-N-acetyl-5-fluorocytosine |
| amino acid | H | CF ₃ | O | 6-N-acetyl-2-fluoroadenine |

| R² | R³ | R⁶ | X | Base |
|----------------------|----------------------|----------------------|----------|--------------------------------------|
| amino acid | H | CF ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| amino acid | H | CF ₃ | O | 6-N-acetyl-2-aminoadenine |
| amino acid | H | CF ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |
| amino acid | H | CF ₃ | O | 2-N-acetylaminoadenine |
| amino acid | H | CF ₃ | O | 2-N-acetylamino-8-fluoroadenine |
| amino acid | H | CF ₃ | O | 2-N-acetylamino-8-fluorohypoxanthine |
| amino acid | H | CF ₃ | O | 2-N-acetylaminohypoxanthine |
| amino acid | acyl | CF ₃ | O | Thymine |
| amino acid | acyl | CF ₃ | O | Uracil |
| amino acid | acyl | CF ₃ | O | Guanine |
| amino acid | acyl | CF ₃ | O | Cytosine |
| amino acid | acyl | CF ₃ | O | Adenine |
| amino acid | acyl | CF ₃ | O | Hypoxanthine |
| amino acid | acyl | CF ₃ | O | 5-Fluorouracil |
| amino acid | acyl | CF ₃ | O | 8-Fluoroguanine |
| amino acid | acyl | CF ₃ | O | 5-Fluorocytosine |
| amino acid | acyl | CF ₃ | O | 8-Fluoroadenine |
| amino acid | acyl | CF ₃ | O | 2-Fluoroadenine |
| amino acid | acyl | CF ₃ | O | 2,8-Difluoroadenine |
| amino acid | acyl | CF ₃ | O | 2-Fluorohypoxanthine |
| amino acid | acyl | CF ₃ | O | 8-Fluorohypoxanthine |
| amino acid | acyl | CF ₃ | O | 2,8-Difluorohypoxanthine |
| amino acid | acyl | CF ₃ | O | 2-Aminoadenine |
| amino acid | acyl | CF ₃ | O | 2-Amino-8-fluoroadenine |
| amino acid | acyl | CF ₃ | O | 2-Amino-8-fluorohypoxanthine |
| amino acid | acyl | CF ₃ | O | 2-Aminohypoxanthine |
| amino acid | acyl | CF ₃ | O | 2-N-acetylguanine |
| amino acid | acyl | CF ₃ | O | 4-N-acetylcytosine |
| amino acid | acyl | CF ₃ | O | 6-N-acetyladenine |
| amino acid | acyl | CF ₃ | O | 2-N-acetyl-8-fluoroguanine |
| amino acid | acyl | CF ₃ | O | 4-N-acetyl-5-fluorocytosine |
| amino acid | acyl | CF ₃ | O | 6-N-acetyl-2-fluoroadenine |
| amino acid | acyl | CF ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| amino acid | acyl | CF ₃ | O | 6-N-acetyl-2-aminoadenine |
| amino acid | acyl | CF ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |
| amino acid | acyl | CF ₃ | O | 2-N-acetylaminoadenine |
| amino acid | acyl | CF ₃ | O | 2-N-acetylamino-8-fluoroadenine |
| amino acid | acyl | CF ₃ | O | 2-N-acetylamino-8-fluorohypoxanthine |
| amino acid | acyl | CF ₃ | O | 2-N-acetylaminohypoxanthine |

Table 16

| R² | R⁶ | X | Base |
|----------------------|----------------------|----------|--------------------------------------|
| acyl | CH ₃ | O | Thymine |
| acyl | CH ₃ | O | Uracil |
| acyl | CH ₃ | O | Guanine |
| acyl | CH ₃ | O | Cytosine |
| acyl | CH ₃ | O | Adenine |
| acyl | CH ₃ | O | Hypoxanthine |
| acyl | CH ₃ | O | 5-Fluorouracil |
| acyl | CH ₃ | O | 8-Fluoroguanine |
| acyl | CH ₃ | O | 5-Fluorocytosine |
| acyl | CH ₃ | O | 8-Fluoroadenine |
| acyl | CH ₃ | O | 2-Fluoroadenine |
| acyl | CH ₃ | O | 2,8-Difluoroadenine |
| acyl | CH ₃ | O | 2-Fluorohypoxanthine |
| acyl | CH ₃ | O | 8-Fluorohypoxanthine |
| acyl | CH ₃ | O | 2,8-Difluorohypoxanthine |
| acyl | CH ₃ | O | 2-Aminoadenine |
| acyl | CH ₃ | O | 2-Amino-8-fluoroadenine |
| acyl | CH ₃ | O | 2-Amino-8-fluorohypoxanthine |
| acyl | CH ₃ | O | 2-Aminohypoxanthine |
| acyl | CH ₃ | O | 2-N-acetylguanine |
| acyl | CH ₃ | O | 4-N-acetylcytosine |
| acyl | CH ₃ | O | 6-N-acetyladenine |
| acyl | CH ₃ | O | 2-N-acetyl-8-fluoroguanine |
| acyl | CH ₃ | O | 4-N-acetyl-5-fluorocytosine |
| acyl | CH ₃ | O | 6-N-acetyl-2-fluoroadenine |
| acyl | CH ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| acyl | CH ₃ | O | 6-N-acetyl-2-aminoadenine |
| acyl | CH ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |
| acyl | CH ₃ | O | 2-N-acetylaminoadenine |
| acyl | CH ₃ | O | 2-N-acetylamino-8-fluoroadenine |
| acyl | CH ₃ | O | 2-N-acetylamino-8-fluorohypoxanthine |
| acyl | CH ₃ | O | 2-N-acetylaminohypoxanthine |
| amino acid | CH ₃ | O | Thymine |
| amino acid | CH ₃ | O | Uracil |
| amino acid | CH ₃ | O | Guanine |
| amino acid | CH ₃ | O | Cytosine |
| amino acid | CH ₃ | O | Adenine |
| amino acid | CH ₃ | O | Hypoxanthine |
| amino acid | CH ₃ | O | 5-Fluorouracil |
| amino acid | CH ₃ | O | 8-Fluoroguanine |
| amino acid | CH ₃ | O | 5-Fluorocytosine |
| amino acid | CH ₃ | O | 8-Fluoroadenine |
| amino acid | CH ₃ | O | 2-Fluoroadenine |
| amino acid | CH ₃ | O | 2,8-Difluoroadenine |

| R² | R⁶ | X | Base |
|----------------------|----------------------|----------|--------------------------------------|
| amino acid | CH ₃ | O | 2-Fluorohypoxanthine |
| amino acid | CH ₃ | O | 8-Fluorohypoxanthine |
| amino acid | CH ₃ | O | 2,8-Difluorohypoxanthine |
| amino acid | CH ₃ | O | 2-Aminoadenine |
| amino acid | CH ₃ | O | 2-Amino-8-fluoroadenine |
| amino acid | CH ₃ | O | 2-Amino-8-fluorohypoxanthine |
| amino acid | CH ₃ | O | 2-Aminohypoxanthine |
| amino acid | CH ₃ | O | 2-N-acetylguanine |
| amino acid | CH ₃ | O | 4-N-acetylcytosine |
| amino acid | CH ₃ | O | 6-N-acetyladenine |
| amino acid | CH ₃ | O | 2-N-acetyl-8-fluoroguanine |
| amino acid | CH ₃ | O | 4-N-acetyl-5-fluorocytosine |
| amino acid | CH ₃ | O | 6-N-acetyl-2-fluoroadenine |
| amino acid | CH ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| amino acid | CH ₃ | O | 6-N-acetyl-2-aminoadenine |
| amino acid | CH ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |
| amino acid | CH ₃ | O | 2-N-acetylaminoadenine |
| amino acid | CH ₃ | O | 2-N-acetylamino-8-fluoroadenine |
| amino acid | CH ₃ | O | 2-N-acetylamino-8-fluorohypoxanthine |
| amino acid | CH ₃ | O | 2-N-acetylaminohypoxanthine |
| acyl | CH ₃ | S | Thymine |
| acyl | CH ₃ | S | Uracil |
| acyl | CH ₃ | S | Guanine |
| acyl | CH ₃ | S | Cytosine |
| acyl | CH ₃ | S | Adenine |
| acyl | CH ₃ | S | Hypoxanthine |
| acyl | CH ₃ | S | 5-Fluorouracil |
| acyl | CH ₃ | S | 8-Fluoroguanine |
| acyl | CH ₃ | S | 5-Fluorocytosine |
| acyl | CH ₃ | S | 8-Fluoroadenine |
| acyl | CH ₃ | S | 2-Fluoroadenine |
| acyl | CH ₃ | S | 2,8-Difluoroadenine |
| acyl | CH ₃ | S | 2-Fluorohypoxanthine |
| acyl | CH ₃ | S | 8-Fluorohypoxanthine |
| acyl | CH ₃ | S | 2,8-Difluorohypoxanthine |
| acyl | CH ₃ | S | 2-Aminoadenine |
| acyl | CH ₃ | S | 2-Amino-8-fluoroadenine |
| acyl | CH ₃ | S | 2-Amino-8-fluorohypoxanthine |
| acyl | CH ₃ | S | 2-Aminohypoxanthine |
| acyl | CH ₃ | S | 2-N-acetylguanine |
| acyl | CH ₃ | S | 4-N-acetylcytosine |
| acyl | CH ₃ | S | 6-N-acetyladenine |
| acyl | CH ₃ | S | 2-N-acetyl-8-fluoroguanine |
| acyl | CH ₃ | S | 4-N-acetyl-5-fluorocytosine |
| acyl | CH ₃ | S | 6-N-acetyl-2-fluoroadenine |
| acyl | CH ₃ | S | 6-N-acetyl-2,8-difluoroadenine |

| R² | R⁶ | X | Base |
|----------------------|----------------------|----------|--------------------------------------|
| acyl | CH ₃ | S | 6-N-acetyl-2-aminoadenine |
| acyl | CH ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| acyl | CH ₃ | S | 2-N-acetylaminoadenine |
| acyl | CH ₃ | S | 2-N-acetylamino-8-fluoroadenine |
| acyl | CH ₃ | S | 2-N-acetylamino-8-fluorohypoxanthine |
| acyl | CH ₃ | S | 2-N-acetylaminohypoxanthine |
| amino acid | CH ₃ | S | Thymine |
| amino acid | CH ₃ | S | Uracil |
| amino acid | CH ₃ | S | Guanine |
| amino acid | CH ₃ | S | Cytosine |
| amino acid | CH ₃ | S | Adenine |
| amino acid | CH ₃ | S | Hypoxanthine |
| amino acid | CH ₃ | S | 5-Fluorouracil |
| amino acid | CH ₃ | S | 8-Fluoroguanine |
| amino acid | CH ₃ | S | 5-Fluorocytosine |
| amino acid | CH ₃ | S | 8-Fluoroadenine |
| amino acid | CH ₃ | S | 2-Fluoroadenine |
| amino acid | CH ₃ | S | 2,8-Difluoroadenine |
| amino acid | CH ₃ | S | 2-Fluorohypoxanthine |
| amino acid | CH ₃ | S | 8-Fluorohypoxanthine |
| amino acid | CH ₃ | S | 2,8-Difluorohypoxanthine |
| amino acid | CH ₃ | S | 2-Aminoadenine |
| amino acid | CH ₃ | S | 2-Amino-8-fluoroadenine |
| amino acid | CH ₃ | S | 2-Amino-8-fluorohypoxanthine |
| amino acid | CH ₃ | S | 2-Aminohypoxanthine |
| amino acid | CH ₃ | S | 2-N-acetylguanine |
| amino acid | CH ₃ | S | 4-N-acetylcytosine |
| amino acid | CH ₃ | S | 6-N-acetyladenine |
| amino acid | CH ₃ | S | 2-N-acetyl-8-fluoroguanine |
| amino acid | CH ₃ | S | 4-N-acetyl-5-fluorocytosine |
| amino acid | CH ₃ | S | 6-N-acetyl-2-fluoroadenine |
| amino acid | CH ₃ | S | 6-N-acetyl-2,8-difluoroadenine |
| amino acid | CH ₃ | S | 6-N-acetyl-2-aminoadenine |
| amino acid | CH ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| amino acid | CH ₃ | S | 2-N-acetylaminoadenine |
| amino acid | CH ₃ | S | 2-N-acetylamino-8-fluoroadenine |
| amino acid | CH ₃ | S | 2-N-acetylamino-8-fluorohypoxanthine |
| amino acid | CH ₃ | S | 2-N-acetylaminohypoxanthine |
| acyl | CF ₃ | O | Thymine |
| acyl | CF ₃ | O | Uracil |
| acyl | CF ₃ | O | Guanine |
| acyl | CF ₃ | O | Cytosine |
| acyl | CF ₃ | O | Adenine |
| acyl | CF ₃ | O | Hypoxanthine |
| acyl | CF ₃ | O | 5-Fluorouracil |
| acyl | CF ₃ | O | 8-Fluoroguanine |

| R² | R⁶ | X | Base |
|----------------------|----------------------|----------|---------------------------------------|
| acyl | CF ₃ | O | 5-Fluorocytosine |
| acyl | CF ₃ | O | 8-Fluoroadenine |
| acyl | CF ₃ | O | 2-Fluoroadenine |
| acyl | CF ₃ | O | 2,8-Difluoroadenine |
| acyl | CF ₃ | O | 2-Fluorohypoxanthine |
| acyl | CF ₃ | O | 8-Fluorohypoxanthine |
| acyl | CF ₃ | O | 2,8-Difluorohypoxanthine |
| acyl | CF ₃ | O | 2-Aminoadenine |
| acyl | CF ₃ | O | 2-Amino-8-fluoroadenine |
| acyl | CF ₃ | O | 2-Amino-8-fluorohypoxanthine |
| acyl | CF ₃ | O | 2-Aminohypoxanthine |
| acyl | CF ₃ | O | 2-N-acetylguanine |
| acyl | CF ₃ | O | 4-N-acetylcytosine |
| acyl | CF ₃ | O | 6-N-acetyl原因 |
| acyl | CF ₃ | O | 2-N-acetyl-8-fluoroguanine |
| acyl | CF ₃ | O | 4-N-acetyl-5-fluorocytosine |
| acyl | CF ₃ | O | 6-N-acetyl-2-fluoroadenine |
| acyl | CF ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| acyl | CF ₃ | O | 6-N-acetyl-2-aminoadenine |
| acyl | CF ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |
| acyl | CF ₃ | O | 2-N-acetylaminoadenine |
| acyl | CF ₃ | O | 2-N-acetyl-amino-8-fluoroadenine |
| acyl | CF ₃ | O | 2-N-acetyl-amino-8-fluorohypoxanthine |
| acyl | CF ₃ | O | 2-N-acetylaminohypoxanthine |
| amino acid | CF ₃ | O | Thymine |
| amino acid | CF ₃ | O | Uracil |
| amino acid | CF ₃ | O | Guanine |
| amino acid | CF ₃ | O | Cytosine |
| amino acid | CF ₃ | O | Adenine |
| amino acid | CF ₃ | O | Hypoxanthine |
| amino acid | CF ₃ | O | 5-Fluorouracil |
| amino acid | CF ₃ | O | 8-Fluoroguanine |
| amino acid | CF ₃ | O | 5-Fluorocytosine |
| amino acid | CF ₃ | O | 8-Fluoroadenine |
| amino acid | CF ₃ | O | 2-Fluoroadenine |
| amino acid | CF ₃ | O | 2,8-Difluoroadenine |
| amino acid | CF ₃ | O | 2-Fluorohypoxanthine |
| amino acid | CF ₃ | O | 8-Fluorohypoxanthine |
| amino acid | CF ₃ | O | 2,8-Difluorohypoxanthine |
| amino acid | CF ₃ | O | 2-Aminoadenine |
| amino acid | CF ₃ | O | 2-Amino-8-fluoroadenine |
| amino acid | CF ₃ | O | 2-Amino-8-fluorohypoxanthine |
| amino acid | CF ₃ | O | 2-Aminohypoxanthine |
| amino acid | CF ₃ | O | 2-N-acetylguanine |
| amino acid | CF ₃ | O | 4-N-acetylcytosine |
| amino acid | CF ₃ | O | 6-N-acetyl原因 |

| R² | R⁶ | X | Base |
|----------------------|----------------------|----------|--------------------------------------|
| amino acid | CF ₃ | O | 2-N-acetyl-8-fluoroguanine |
| amino acid | CF ₃ | O | 4-N-acetyl-5-fluorocytosine |
| amino acid | CF ₃ | O | 6-N-acetyl-2-fluoroadenine |
| amino acid | CF ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| amino acid | CF ₃ | O | 6-N-acetyl-2-aminoadenine |
| amino acid | CF ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |
| amino acid | CF ₃ | O | 2-N-acetylaminoadenine |
| amino acid | CF ₃ | O | 2-N-acetylamino-8-fluoroadenine |
| amino acid | CF ₃ | O | 2-N-acetylamino-8-fluorohypoxanthine |
| amino acid | CF ₃ | O | 2-N-acetylaminohypoxanthine |
| acyl | CF ₃ | S | Thymine |
| acyl | CF ₃ | S | Uracil |
| acyl | CF ₃ | S | Guanine |
| acyl | CF ₃ | S | Cytosine |
| acyl | CF ₃ | S | Adenine |
| acyl | CF ₃ | S | Hypoxanthine |
| acyl | CF ₃ | S | 5-Fluorouracil |
| acyl | CF ₃ | S | 8-Fluoroguanine |
| acyl | CF ₃ | S | 5-Fluorocytosine |
| acyl | CF ₃ | S | 8-Fluoroadenine |
| acyl | CF ₃ | S | 2-Fluoroadenine |
| acyl | CF ₃ | S | 2,8-Difluoroadenine |
| acyl | CF ₃ | S | 2-Fluorohypoxanthine |
| acyl | CF ₃ | S | 8-Fluorohypoxanthine |
| acyl | CF ₃ | S | 2,8-Difluorohypoxanthine |
| acyl | CF ₃ | S | 2-Aminoadenine |
| acyl | CF ₃ | S | 2-Amino-8-fluoroadenine |
| acyl | CF ₃ | S | 2-Amino-8-fluorohypoxanthine |
| acyl | CF ₃ | S | 2-Aminohypoxanthine |
| acyl | CF ₃ | S | 2-N-acetylguanine |
| acyl | CF ₃ | S | 4-N-acetylcytosine |
| acyl | CF ₃ | S | 6-N-acetyladenine |
| acyl | CF ₃ | S | 2-N-acetyl-8-fluoroguanine |
| acyl | CF ₃ | S | 4-N-acetyl-5-fluorocytosine |
| acyl | CF ₃ | S | 6-N-acetyl-2-fluoroadenine |
| acyl | CF ₃ | S | 6-N-acetyl-2,8-difluoroadenine |
| acyl | CF ₃ | S | 6-N-acetyl-2-aminoadenine |
| acyl | CF ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| acyl | CF ₃ | S | 2-N-acetylaminoadenine |
| acyl | CF ₃ | S | 2-N-acetylamino-8-fluoroadenine |
| acyl | CF ₃ | S | 2-N-acetylamino-8-fluorohypoxanthine |
| acyl | CF ₃ | S | 2-N-acetylaminohypoxanthine |
| amino acid | CF ₃ | S | Thymine |
| amino acid | CF ₃ | S | Uracil |
| amino acid | CF ₃ | S | Guanine |
| amino acid | CF ₃ | S | Cytosine |

| R² | R⁶ | X | Base |
|----------------------|----------------------|----------|---------------------------------------|
| amino acid | CF ₃ | S | Adenine |
| amino acid | CF ₃ | S | Hypoxanthine |
| amino acid | CF ₃ | S | 5-Fluorouracil |
| amino acid | CF ₃ | S | 8-Fluoroguanine |
| amino acid | CF ₃ | S | 5-Fluorocytosine |
| amino acid | CF ₃ | S | 8-Fluoroadenine |
| amino acid | CF ₃ | S | 2-Fluoroadenine |
| amino acid | CF ₃ | S | 2,8-Difluoroadenine |
| amino acid | CF ₃ | S | 2-Fluorohypoxanthine |
| amino acid | CF ₃ | S | 8-Fluorohypoxanthine |
| amino acid | CF ₃ | S | 2,8-Difluorohypoxanthine |
| amino acid | CF ₃ | S | 2-Aminoadenine |
| amino acid | CF ₃ | S | 2-Amino-8-fluoroadenine |
| amino acid | CF ₃ | S | 2-Amino-8-fluorohypoxanthine |
| amino acid | CF ₃ | S | 2-Aminohypoxanthine |
| amino acid | CF ₃ | S | 2-N-acetylguanine |
| amino acid | CF ₃ | S | 4-N-acetylcytosine |
| amino acid | CF ₃ | S | 6-N-acetyladenine |
| amino acid | CF ₃ | S | 2-N-acetyl-8-fluoroguanine |
| amino acid | CF ₃ | S | 4-N-acetyl-5-fluorocytosine |
| amino acid | CF ₃ | S | 6-N-acetyl-2-fluoroadenine |
| amino acid | CF ₃ | S | 6-N-acetyl-2,8-difluoroadenine |
| amino acid | CF ₃ | S | 6-N-acetyl-2-aminoadenine |
| amino acid | CF ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| amino acid | CF ₃ | S | 2-N-acetylaminoadenine |
| amino acid | CF ₃ | S | 2-N-acetyl-amino-8-fluoroadenine |
| amino acid | CF ₃ | S | 2-N-acetyl-amino-8-fluorohypoxanthine |
| amino acid | CF ₃ | S | 2-N-acetylaminohypoxanthine |

Table 17

| R ² | R ⁶ | X | Base |
|----------------|-----------------|---|---------------------------------------|
| amino acid | CH ₃ | O | Thymine |
| amino acid | CH ₃ | O | Uracil |
| amino acid | CH ₃ | O | Guanine |
| amino acid | CH ₃ | O | Cytosine |
| amino acid | CH ₃ | O | Adenine |
| amino acid | CH ₃ | O | Hypoxanthine |
| amino acid | CH ₃ | O | 5-Fluorouracil |
| amino acid | CH ₃ | O | 8-Fluoroguanine |
| amino acid | CH ₃ | O | 5-Fluorocytosine |
| amino acid | CH ₃ | O | 8-Fluoroadenine |
| amino acid | CH ₃ | O | 2-Fluoroadenine |
| amino acid | CH ₃ | O | 2,8-Difluoroadenine |
| amino acid | CH ₃ | O | 2-Fluorohypoxanthine |
| amino acid | CH ₃ | O | 8-Fluorohypoxanthine |
| amino acid | CH ₃ | O | 2,8-Difluorohypoxanthine |
| amino acid | CH ₃ | O | 2-Aminoadenine |
| amino acid | CH ₃ | O | 2-Amino-8-fluoroadenine |
| amino acid | CH ₃ | O | 2-Amino-8-fluorohypoxanthine |
| amino acid | CH ₃ | O | 2-Aminohypoxanthine |
| amino acid | CH ₃ | O | 2-N-acetylguanine |
| amino acid | CH ₃ | O | 4-N-acetylcytosine |
| amino acid | CH ₃ | O | 6-N-acetyladenine |
| amino acid | CH ₃ | O | 2-N-acetyl-8-fluoroguanine |
| amino acid | CH ₃ | O | 4-N-acetyl-5-fluorocytosine |
| amino acid | CH ₃ | O | 6-N-acetyl-2-fluoroadenine |
| amino acid | CH ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| amino acid | CH ₃ | O | 6-N-acetyl-2-aminoadenine |
| amino acid | CH ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |
| amino acid | CH ₃ | O | 2-N-acetylaminoadenine |
| amino acid | CH ₃ | O | 2-N-acetyl-amino-8-fluoroadenine |
| amino acid | CH ₃ | O | 2-N-acetyl-amino-8-fluorohypoxanthine |
| amino acid | CH ₃ | O | 2-N-acetylaminohypoxanthine |
| amino acid | CH ₃ | S | Thymine |
| amino acid | CH ₃ | S | Uracil |
| amino acid | CH ₃ | S | Guanine |
| amino acid | CH ₃ | S | Cytosine |
| amino acid | CH ₃ | S | Adenine |
| amino acid | CH ₃ | S | Hypoxanthine |
| amino acid | CH ₃ | S | 5-Fluorouracil |
| amino acid | CH ₃ | S | 8-Fluoroguanine |
| amino acid | CH ₃ | S | 5-Fluorocytosine |
| amino acid | CH ₃ | S | 8-Fluoroadenine |
| amino acid | CH ₃ | S | 2-Fluoroadenine |
| amino acid | CH ₃ | S | 2,8-Difluoroadenine |
| amino acid | CH ₃ | S | 2-Fluorohypoxanthine |

| R ² | R ⁶ | X | Base |
|----------------|-----------------|---|---------------------------------------|
| amino acid | CH ₃ | S | 8-Fluorohypoxanthine |
| amino acid | CH ₃ | S | 2,8-Difluorohypoxanthine |
| amino acid | CH ₃ | S | 2-Amino adenine |
| amino acid | CH ₃ | S | 2-Amino-8-fluoroadenine |
| amino acid | CH ₃ | S | 2-Amino-8-fluorohypoxanthine |
| amino acid | CH ₃ | S | 2-Aminohypoxanthine |
| amino acid | CH ₃ | S | 2-N-acetylguanine |
| amino acid | CH ₃ | S | 4-N-acetylcytosine |
| amino acid | CH ₃ | S | 6-N-acetyl adenine |
| amino acid | CH ₃ | S | 2-N-acetyl-8-fluoroguanine |
| amino acid | CH ₃ | S | 4-N-acetyl-5-fluorocytosine |
| amino acid | CH ₃ | S | 6-N-acetyl-2-fluoroadenine |
| amino acid | CH ₃ | S | 6-N-acetyl-2,8-difluoroadenine |
| amino acid | CH ₃ | S | 6-N-acetyl-2-amino adenine |
| amino acid | CH ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| amino acid | CH ₃ | S | 2-N-acetyl amino adenine |
| amino acid | CH ₃ | S | 2-N-acetyl amino-8-fluoroadenine |
| amino acid | CH ₃ | S | 2-N-acetyl amino-8-fluorohypoxanthine |
| amino acid | CH ₃ | S | 2-N-acetyl aminohypoxanthine |
| amino acid | CF ₃ | O | Thymine |
| amino acid | CF ₃ | O | Uracil |
| amino acid | CF ₃ | O | Guanine |
| amino acid | CF ₃ | O | Cytosine |
| amino acid | CF ₃ | O | Adenine |
| amino acid | CF ₃ | O | Hypoxanthine |
| amino acid | CF ₃ | O | 5-Fluorouracil |
| amino acid | CF ₃ | O | 8-Fluoroguanine |
| amino acid | CF ₃ | O | 5-Fluorocytosine |
| amino acid | CF ₃ | O | 8-Fluoroadenine |
| amino acid | CF ₃ | O | 2-Fluoroadenine |
| amino acid | CF ₃ | O | 2,8-Difluoroadenine |
| amino acid | CF ₃ | O | 2-Fluorohypoxanthine |
| amino acid | CF ₃ | O | 8-Fluorohypoxanthine |
| amino acid | CF ₃ | O | 2,8-Difluorohypoxanthine |
| amino acid | CF ₃ | O | 2-Amino adenine |
| amino acid | CF ₃ | O | 2-Amino-8-fluoroadenine |
| amino acid | CF ₃ | O | 2-Amino-8-fluorohypoxanthine |
| amino acid | CF ₃ | O | 2-Aminohypoxanthine |
| amino acid | CF ₃ | O | 2-N-acetylguanine |
| amino acid | CF ₃ | O | 4-N-acetylcytosine |
| amino acid | CF ₃ | O | 6-N-acetyl adenine |
| amino acid | CF ₃ | O | 2-N-acetyl-8-fluoroguanine |
| amino acid | CF ₃ | O | 4-N-acetyl-5-fluorocytosine |
| amino acid | CF ₃ | O | 6-N-acetyl-2-fluoroadenine |
| amino acid | CF ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| amino acid | CF ₃ | O | 6-N-acetyl-2-amino adenine |
| amino acid | CF ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |

| R ² | R ⁶ | X | Base |
|----------------|-----------------|---|--------------------------------------|
| amino acid | CF ₃ | O | 2-N-acetylaminoadenine |
| amino acid | CF ₃ | O | 2-N-acetylamino-8-fluoroadenine |
| amino acid | CF ₃ | O | 2-N-acetylamino-8-fluorohypoxanthine |
| amino acid | CF ₃ | O | 2-N-acetylaminohypoxanthine |
| amino acid | CF ₃ | S | Thymine |
| amino acid | CF ₃ | S | Uracil |
| amino acid | CF ₃ | S | Guanine |
| amino acid | CF ₃ | S | Cytosine |
| amino acid | CF ₃ | S | Adenine |
| amino acid | CF ₃ | S | Hypoxanthine |
| amino acid | CF ₃ | S | 5-Fluorouracil |
| amino acid | CF ₃ | S | 8-Fluoroguanine |
| amino acid | CF ₃ | S | 5-Fluorocytosine |
| amino acid | CF ₃ | S | 8-Fluoroadenine |
| amino acid | CF ₃ | S | 2-Fluoroadenine |
| amino acid | CF ₃ | S | 2,8-Difluoroadenine |
| amino acid | CF ₃ | S | 2-Fluorohypoxanthine |
| amino acid | CF ₃ | S | 8-Fluorohypoxanthine |
| amino acid | CF ₃ | S | 2,8-Difluorohypoxanthine |
| amino acid | CF ₃ | S | 2-Aminoadenine |
| amino acid | CF ₃ | S | 2-Amino-8-fluoroadenine |
| amino acid | CF ₃ | S | 2-Amino-8-fluorohypoxanthine |
| amino acid | CF ₃ | S | 2-Aminohypoxanthine |
| amino acid | CF ₃ | S | 2-N-acetylguanine |
| amino acid | CF ₃ | S | 4-N-acetylcytosine |
| amino acid | CF ₃ | S | 6-N-acetyladenine |
| amino acid | CF ₃ | S | 2-N-acetyl-8-fluoroguanine |
| amino acid | CF ₃ | S | 4-N-acetyl-5-fluorocytosine |
| amino acid | CF ₃ | S | 6-N-acetyl-2-fluoroadenine |
| amino acid | CF ₃ | S | 6-N-acetyl-2,8-difluoroadenine |
| amino acid | CF ₃ | S | 6-N-acetyl-2-aminoadenine |
| amino acid | CF ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| amino acid | CF ₃ | S | 2-N-acetylaminoadenine |
| amino acid | CF ₃ | S | 2-N-acetylamino-8-fluoroadenine |
| amino acid | CF ₃ | S | 2-N-acetylamino-8-fluorohypoxanthine |
| amino acid | CF ₃ | S | 2-N-acetylaminohypoxanthine |
| acyl | CH ₃ | O | Thymine |
| acyl | CH ₃ | O | Uracil |
| acyl | CH ₃ | O | Guanine |
| acyl | CH ₃ | O | Cytosine |
| acyl | CH ₃ | O | Adenine |
| acyl | CH ₃ | O | Hypoxanthine |
| acyl | CH ₃ | O | 5-Fluorouracil |
| acyl | CH ₃ | O | 8-Fluoroguanine |
| acyl | CH ₃ | O | 5-Fluorocytosine |
| acyl | CH ₃ | O | 8-Fluoroadenine |
| acyl | CH ₃ | O | 2-Fluoroadenine |

| R ² | R ⁶ | X | Base |
|----------------|-----------------|---|------------------------------------|
| acyl | CH ₃ | O | 2,8-Difluoroadenine |
| acyl | CH ₃ | O | 2-Fluorohypoxanthine |
| acyl | CH ₃ | O | 8-Fluorohypoxanthine |
| acyl | CH ₃ | O | 2,8-Difluorohypoxanthine |
| acyl | CH ₃ | O | 2-Aminoadenine |
| acyl | CH ₃ | O | 2-Amino-8-fluoroadenine |
| acyl | CH ₃ | O | 2-Amino-8-fluorohypoxanthine |
| acyl | CH ₃ | O | 2-Aminohypoxanthine |
| acyl | CH ₃ | O | 2-N-acetylguanine |
| acyl | CH ₃ | O | 4-N-acetylcytosine |
| acyl | CH ₃ | O | 6-N-acetyl原因 |
| acyl | CH ₃ | O | 2-N-acetyl-8-fluoroguanine |
| acyl | CH ₃ | O | 4-N-acetyl-5-fluorocytosine |
| acyl | CH ₃ | O | 6-N-acetyl-2-fluoroadenine |
| acyl | CH ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| acyl | CH ₃ | O | 6-N-acetyl-2-aminoadenine |
| acyl | CH ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |
| acyl | CH ₃ | O | 2-N-acetyl原因 |
| acyl | CH ₃ | O | 2-N-acetyl原因-8-fluoroadenine |
| acyl | CH ₃ | O | 2-N-acetyl原因-8-fluorohypoxanthine |
| acyl | CH ₃ | O | 2-N-acetyl原因hypoxanthine |
| acyl | CH ₃ | S | Thymine |
| acyl | CH ₃ | S | Uracil |
| acyl | CH ₃ | S | Guanine |
| acyl | CH ₃ | S | Cytosine |
| acyl | CH ₃ | S | Adenine |
| acyl | CH ₃ | S | Hypoxanthine |
| acyl | CH ₃ | S | 5-Fluorouracil |
| acyl | CH ₃ | S | 8-Fluoroguanine |
| acyl | CH ₃ | S | 5-Fluorocytosine |
| acyl | CH ₃ | S | 8-Fluoroadenine |
| acyl | CH ₃ | S | 2-Fluoroadenine |
| acyl | CH ₃ | S | 2,8-Difluoroadenine |
| acyl | CH ₃ | S | 2-Fluorohypoxanthine |
| acyl | CH ₃ | S | 8-Fluorohypoxanthine |
| acyl | CH ₃ | S | 2,8-Difluorohypoxanthine |
| acyl | CH ₃ | S | 2-Aminoadenine |
| acyl | CH ₃ | S | 2-Amino-8-fluoroadenine |
| acyl | CH ₃ | S | 2-Amino-8-fluorohypoxanthine |
| acyl | CH ₃ | S | 2-Aminohypoxanthine |
| acyl | CH ₃ | S | 2-N-acetyl原因 |
| acyl | CH ₃ | S | 4-N-acetylcytosine |
| acyl | CH ₃ | S | 6-N-acetyl原因 |
| acyl | CH ₃ | S | 2-N-acetyl-8-fluoroguanine |
| acyl | CH ₃ | S | 4-N-acetyl-5-fluorocytosine |
| acyl | CH ₃ | S | 6-N-acetyl-2-fluoroadenine |
| acyl | CH ₃ | S | 6-N-acetyl-2,8-difluoroadenine |

| R ² | R ⁶ | X | Base |
|----------------|-----------------|---|--------------------------------------|
| acyl | CH ₃ | S | 6-N-acetyl-2-aminoadenine |
| acyl | CH ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| acyl | CH ₃ | S | 2-N-acetylaminoadenine |
| acyl | CH ₃ | S | 2-N-acetylamino-8-fluoroadenine |
| acyl | CH ₃ | S | 2-N-acetylamino-8-fluorohypoxanthine |
| acyl | CH ₃ | S | 2-N-acetylaminohypoxanthine |
| acyl | CF ₃ | O | Thymine |
| acyl | CF ₃ | O | Uracil |
| acyl | CF ₃ | O | Guanine |
| acyl | CF ₃ | O | Cytosine |
| acyl | CF ₃ | O | Adenine |
| acyl | CF ₃ | O | Hypoxanthine |
| acyl | CF ₃ | O | 5-Fluorouracil |
| acyl | CF ₃ | O | 8-Fluoroguanine |
| acyl | CF ₃ | O | 5-Fluorocytosine |
| acyl | CF ₃ | O | 8-Fluoroadenine |
| acyl | CF ₃ | O | 2-Fluoroadenine |
| acyl | CF ₃ | O | 2,8-Difluoroadenine |
| acyl | CF ₃ | O | 2-Fluorohypoxanthine |
| acyl | CF ₃ | O | 8-Fluorohypoxanthine |
| acyl | CF ₃ | O | 2,8-Difluorohypoxanthine |
| acyl | CF ₃ | O | 2-Aminoadenine |
| acyl | CF ₃ | O | 2-Amino-8-fluoroadenine |
| acyl | CF ₃ | O | 2-Amino-8-fluorohypoxanthine |
| acyl | CF ₃ | O | 2-Aminohypoxanthine |
| acyl | CF ₃ | O | 2-N-acetylguanine |
| acyl | CF ₃ | O | 4-N-acetylcytosine |
| acyl | CF ₃ | O | 6-N-acetyladenine |
| acyl | CF ₃ | O | 2-N-acetyl-8-fluoroguanine |
| acyl | CF ₃ | O | 4-N-acetyl-5-fluorocytosine |
| acyl | CF ₃ | O | 6-N-acetyl-2-fluoroadenine |
| acyl | CF ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| acyl | CF ₃ | O | 6-N-acetyl-2-aminoadenine |
| acyl | CF ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |
| acyl | CF ₃ | O | 2-N-acetylaminoadenine |
| acyl | CF ₃ | O | 2-N-acetylamino-8-fluoroadenine |
| acyl | CF ₃ | O | 2-N-acetylamino-8-fluorohypoxanthine |
| acyl | CF ₃ | O | 2-N-acetylaminohypoxanthine |
| acyl | CF ₃ | S | Thymine |
| acyl | CF ₃ | S | Uracil |
| acyl | CF ₃ | S | Guanine |
| acyl | CF ₃ | S | Cytosine |
| acyl | CF ₃ | S | Adenine |
| acyl | CF ₃ | S | Hypoxanthine |
| acyl | CF ₃ | S | 5-Fluorouracil |
| acyl | CF ₃ | S | 8-Fluoroguanine |
| acyl | CF ₃ | S | 5-Fluorocytosine |

| R² | R⁶ | X | Base |
|----------------------|----------------------|----------|--------------------------------------|
| acyl | CF ₃ | S | 8-Fluoroadenine |
| acyl | CF ₃ | S | 2-Fluoroadenine |
| acyl | CF ₃ | S | 2,8-Difluoroadenine |
| acyl | CF ₃ | S | 2-Fluorohypoxanthine |
| acyl | CF ₃ | S | 8-Fluorohypoxanthine |
| acyl | CF ₃ | S | 2,8-Difluorohypoxanthine |
| acyl | CF ₃ | S | 2-Aminoadenine |
| acyl | CF ₃ | S | 2-Amino-8-fluoroadenine |
| acyl | CF ₃ | S | 2-Amino-8-fluorohypoxanthine |
| acyl | CF ₃ | S | 2-Aminohypoxanthine |
| acyl | CF ₃ | S | 2-N-acetylguanine |
| acyl | CF ₃ | S | 4-N-acetylcytosine |
| acyl | CF ₃ | S | 6-N-acetyladenine |
| acyl | CF ₃ | S | 2-N-acetyl-8-fluoroguanine |
| acyl | CF ₃ | S | 4-N-acetyl-5-fluorocytosine |
| acyl | CF ₃ | S | 6-N-acetyl-2-fluoroadenine |
| acyl | CF ₃ | S | 6-N-acetyl-2,8-difluoroadenine |
| acyl | CF ₃ | S | 6-N-acetyl-2-aminoadenine |
| acyl | CF ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| acyl | CF ₃ | S | 2-N-acetylaminoadenine |
| acyl | CF ₃ | S | 2-N-acetylamino-8-fluoroadenine |
| acyl | CF ₃ | S | 2-N-acetylamino-8-fluorohypoxanthine |
| acyl | CF ₃ | S | 2-N-acetylaminohypoxanthine |

Table 18

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CH ₃ | H | O | Thymine | F | O-acyl |
| CH ₃ | H | O | Uracil | F | O-acyl |
| CH ₃ | H | O | Guanine | F | O-acyl |
| CH ₃ | H | O | Cytosine | F | O-acyl |
| CH ₃ | H | O | Adenine | F | O-acyl |
| CH ₃ | H | O | Hypoxanthine | F | O-acyl |
| CH ₃ | H | O | 5-Fluorouracil | F | O-acyl |
| CH ₃ | H | O | 8-Fluoroguanine | F | O-acyl |
| CH ₃ | H | O | 5-Fluorocytosine | F | O-acyl |
| CH ₃ | H | O | 8-Fluoroadenine | F | O-acyl |
| CH ₃ | H | O | 2-Fluoroadenine | F | O-acyl |
| CH ₃ | H | O | 2,8-Difluoroadenine | F | O-acyl |
| CH ₃ | H | O | 2-Fluorohypoxanthine | F | O-acyl |
| CH ₃ | H | O | 8-Fluorohypoxanthine | F | O-acyl |
| CH ₃ | H | O | 2,8-Difluorohypoxanthine | F | O-acyl |
| CH ₃ | H | O | 2-Aminoadenine | F | O-acyl |
| CH ₃ | H | O | 2-Amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | H | O | 2-Amino-8-fluorohypoxanthine | F | O-acyl |
| CH ₃ | H | O | 2-Aminohypoxanthine | F | O-acyl |
| CH ₃ | H | O | 2-N-acetylguanine | F | O-acyl |
| CH ₃ | H | O | 4-N-acetylcytosine | F | O-acyl |
| CH ₃ | H | O | 6-N-acetyladenine | F | O-acyl |
| CH ₃ | H | O | 2-N-acetyl-8-fluoroguanine | F | O-acyl |
| CH ₃ | H | O | 4-N-acetyl-5-fluorocytosine | F | O-acyl |
| CH ₃ | H | O | 6-N-acetyl-2-fluoroadenine | F | O-acyl |
| CH ₃ | H | O | 6-N-acetyl-2,8-difluoroadenine | F | O-acyl |
| CH ₃ | H | O | 6-N-acetyl-2-aminoadenine | F | O-acyl |
| CH ₃ | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | H | O | 2-N-acetylaminoadenine | F | O-acyl |
| CH ₃ | H | O | 2-N-acetylamino-8-fluoroadenine | F | O-acyl |
| CH ₃ | H | O | 2-N-acetylamino-8-fluorohypoxanthine | F | O-acyl |
| CH ₃ | H | O | 2-N-acetylaminohypoxanthine | F | O-acyl |
| CH ₃ | O-amino acid | O | Thymine | F | O-acyl |
| CH ₃ | O-amino acid | O | Uracil | F | O-acyl |
| CH ₃ | O-amino acid | O | Guanine | F | O-acyl |
| CH ₃ | O-amino acid | O | Cytosine | F | O-acyl |
| CH ₃ | O-amino acid | O | Adenine | F | O-acyl |
| CH ₃ | O-amino acid | O | Hypoxanthine | F | O-acyl |
| CH ₃ | O-amino acid | O | 5-Fluorouracil | F | O-acyl |
| CH ₃ | O-amino acid | O | 8-Fluoroguanine | F | O-acyl |
| CH ₃ | O-amino acid | O | 5-Fluorocytosine | F | O-acyl |
| CH ₃ | O-amino acid | O | 8-Fluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | O | 2-Fluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | O | 2,8-Difluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | O | 2-Fluorohypoxanthine | F | O-acyl |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CH ₃ | O-amino acid | O | 8-Fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-amino acid | O | 2,8-Difluorohypoxanthine | F | O-acyl |
| CH ₃ | O-amino acid | O | 2-Aminoadenine | F | O-acyl |
| CH ₃ | O-amino acid | O | 2-Amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | O | 2-Amino-8-fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-amino acid | O | 2-Aminohypoxanthine | F | O-acyl |
| CH ₃ | O-amino acid | O | 2-N-acetylguanine | F | O-acyl |
| CH ₃ | O-amino acid | O | 4-N-acetylcytosine | F | O-acyl |
| CH ₃ | O-amino acid | O | 6-N-acetyladenine | F | O-acyl |
| CH ₃ | O-amino acid | O | 2-N-acetyl-8-fluoroguanine | F | O-acyl |
| CH ₃ | O-amino acid | O | 4-N-acetyl-5-fluorocytosine | F | O-acyl |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-fluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2,8-difluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-aminoadenine | F | O-acyl |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | O | 2-N-acetylaminoadenine | F | O-acyl |
| CH ₃ | O-amino acid | O | 2-N-acetylamino-8-fluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | O | 2-N-acetylamino-8-fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-amino acid | O | 2-N-acetylaminohypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | O | Thymine | F | O-acyl |
| CH ₃ | O-acyl | O | Uracil | F | O-acyl |
| CH ₃ | O-acyl | O | Guanine | F | O-acyl |
| CH ₃ | O-acyl | O | Cytosine | F | O-acyl |
| CH ₃ | O-acyl | O | Adenine | F | O-acyl |
| CH ₃ | O-acyl | O | Hypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | O | 5-Fluorouracil | F | O-acyl |
| CH ₃ | O-acyl | O | 8-Fluoroguanine | F | O-acyl |
| CH ₃ | O-acyl | O | 5-Fluorocytosine | F | O-acyl |
| CH ₃ | O-acyl | O | 8-Fluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | O | 2-Fluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | O | 2,8-Difluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | O | 2-Fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | O | 8-Fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | O | 2,8-Difluorohypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | O | 2-Aminoadenine | F | O-acyl |
| CH ₃ | O-acyl | O | 2-Amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | O | 2-Amino-8-fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | O | 2-Aminohypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | O | 2-N-acetylguanine | F | O-acyl |
| CH ₃ | O-acyl | O | 4-N-acetylcytosine | F | O-acyl |
| CH ₃ | O-acyl | O | 6-N-acetyladenine | F | O-acyl |
| CH ₃ | O-acyl | O | 2-N-acetyl-8-fluoroguanine | F | O-acyl |
| CH ₃ | O-acyl | O | 4-N-acetyl-5-fluorocytosine | F | O-acyl |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-fluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | O | 6-N-acetyl-2,8-difluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-aminoadenine | F | O-acyl |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-acyl |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CH ₃ | O-acyl | O | 2-N-acetylaminoadenine | F | O-acyl |
| CH ₃ | O-acyl | O | 2-N-acetylamino-8-fluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | O | 2-N-acetylamino-8-fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | O | 2-N-acetylaminohypoxanthine | F | O-acyl |
| CH ₃ | OH | O | Thymine | F | O-acyl |
| CH ₃ | OH | O | Uracil | F | O-acyl |
| CH ₃ | OH | O | Guanine | F | O-acyl |
| CH ₃ | OH | O | Cytosine | F | O-acyl |
| CH ₃ | OH | O | Adenine | F | O-acyl |
| CH ₃ | OH | O | Hypoxanthine | F | O-acyl |
| CH ₃ | OH | O | 5-Fluorouracil | F | O-acyl |
| CH ₃ | OH | O | 8-Fluoroguanine | F | O-acyl |
| CH ₃ | OH | O | 5-Fluorocytosine | F | O-acyl |
| CH ₃ | OH | O | 8-Fluoroadenine | F | O-acyl |
| CH ₃ | OH | O | 2-Fluoroadenine | F | O-acyl |
| CH ₃ | OH | O | 2,8-Difluoroadenine | F | O-acyl |
| CH ₃ | OH | O | 2-Fluorohypoxanthine | F | O-acyl |
| CH ₃ | OH | O | 8-Fluorohypoxanthine | F | O-acyl |
| CH ₃ | OH | O | 2,8-Difluorohypoxanthine | F | O-acyl |
| CH ₃ | OH | O | 2-Aminoadenine | F | O-acyl |
| CH ₃ | OH | O | 2-Amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | OH | O | 2-Amino-8-fluorohypoxanthine | F | O-acyl |
| CH ₃ | OH | O | 2-Aminohypoxanthine | F | O-acyl |
| CH ₃ | OH | O | 2-N-acetylguanine | F | O-acyl |
| CH ₃ | OH | O | 4-N-acetylcytosine | F | O-acyl |
| CH ₃ | OH | O | 6-N-acetyladenine | F | O-acyl |
| CH ₃ | OH | O | 2-N-acetyl-8-fluoroguanine | F | O-acyl |
| CH ₃ | OH | O | 4-N-acetyl-5-fluorocytosine | F | O-acyl |
| CH ₃ | OH | O | 6-N-acetyl-2-fluoroadenine | F | O-acyl |
| CH ₃ | OH | O | 6-N-acetyl-2,8-difluoroadenine | F | O-acyl |
| CH ₃ | OH | O | 6-N-acetyl-2-aminoadenine | F | O-acyl |
| CH ₃ | OH | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | OH | O | 2-N-acetylaminoadenine | F | O-acyl |
| CH ₃ | OH | O | 2-N-acetylamino-8-fluoroadenine | F | O-acyl |
| CH ₃ | OH | O | 2-N-acetylamino-8-fluorohypoxanthine | F | O-acyl |
| CH ₃ | OH | O | 2-N-acetylaminohypoxanthine | F | O-acyl |
| CH ₃ | H | O | Thymine | Br | O-acyl |
| CH ₃ | H | O | Uracil | Br | O-acyl |
| CH ₃ | H | O | Guanine | Br | O-acyl |
| CH ₃ | H | O | Cytosine | Br | O-acyl |
| CH ₃ | H | O | Adenine | Br | O-acyl |
| CH ₃ | H | O | Hypoxanthine | Br | O-acyl |
| CH ₃ | H | O | 5-Fluorouracil | Br | O-acyl |
| CH ₃ | H | O | 8-Fluoroguanine | Br | O-acyl |
| CH ₃ | H | O | 5-Fluorocytosine | Br | O-acyl |
| CH ₃ | H | O | 8-Fluoroadenine | Br | O-acyl |
| CH ₃ | H | O | 2-Fluoroadenine | Br | O-acyl |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|------------------------------------|----------------|----------------|
| CH ₃ | H | O | 2,8-Difluoroadenine | Br | O-acyl |
| CH ₃ | H | O | 2-Fluorohypoxanthine | Br | O-acyl |
| CH ₃ | H | O | 8-Fluorohypoxanthine | Br | O-acyl |
| CH ₃ | H | O | 2,8-Difluorohypoxanthine | Br | O-acyl |
| CH ₃ | H | O | 2-Aminoadenine | Br | O-acyl |
| CH ₃ | H | O | 2-Amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | H | O | 2-Amino-8-fluorohypoxanthine | Br | O-acyl |
| CH ₃ | H | O | 2-Aminohypoxanthine | Br | O-acyl |
| CH ₃ | H | O | 2-N-acetylguanine | Br | O-acyl |
| CH ₃ | H | O | 4-N-acetylcytosine | Br | O-acyl |
| CH ₃ | H | O | 6-N-acetyl原因 | Br | O-acyl |
| CH ₃ | H | O | 2-N-acetyl-8-fluoroguanine | Br | O-acyl |
| CH ₃ | H | O | 4-N-acetyl-5-fluorocytosine | Br | O-acyl |
| CH ₃ | H | O | 6-N-acetyl-2-fluoroadenine | Br | O-acyl |
| CH ₃ | H | O | 6-N-acetyl-2,8-difluoroadenine | Br | O-acyl |
| CH ₃ | H | O | 6-N-acetyl-2-aminoadenine | Br | O-acyl |
| CH ₃ | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | H | O | 2-N-acetyl原因 | Br | O-acyl |
| CH ₃ | H | O | 2-N-acetyl原因-8-fluoroadenine | Br | O-acyl |
| CH ₃ | H | O | 2-N-acetyl原因-8-fluorohypoxanthine | Br | O-acyl |
| CH ₃ | H | O | 2-N-acetyl原因hypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | O | Thymine | Br | O-acyl |
| CH ₃ | O-amino acid | O | Uracil | Br | O-acyl |
| CH ₃ | O-amino acid | O | Guanine | Br | O-acyl |
| CH ₃ | O-amino acid | O | Cytosine | Br | O-acyl |
| CH ₃ | O-amino acid | O | Adenine | Br | O-acyl |
| CH ₃ | O-amino acid | O | Hypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | O | 5-Fluorouracil | Br | O-acyl |
| CH ₃ | O-amino acid | O | 8-Fluoroguanine | Br | O-acyl |
| CH ₃ | O-amino acid | O | 5-Fluorocytosine | Br | O-acyl |
| CH ₃ | O-amino acid | O | 8-Fluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | O | 2-Fluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | O | 2,8-Difluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | O | 2-Fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | O | 8-Fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | O | 2,8-Difluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | O | 2-Aminoadenine | Br | O-acyl |
| CH ₃ | O-amino acid | O | 2-Amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | O | 2-Amino-8-fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | O | 2-Aminohypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | O | 2-N-acetyl原因 | Br | O-acyl |
| CH ₃ | O-amino acid | O | 4-N-acetylcytosine | Br | O-acyl |
| CH ₃ | O-amino acid | O | 6-N-acetyl原因 | Br | O-acyl |
| CH ₃ | O-amino acid | O | 2-N-acetyl-8-fluoroguanine | Br | O-acyl |
| CH ₃ | O-amino acid | O | 4-N-acetyl-5-fluorocytosine | Br | O-acyl |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-fluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2,8-difluoroadenine | Br | O-acyl |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-aminoadenine | Br | O-acyl |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | O | 2-N-acetylaminoadenine | Br | O-acyl |
| CH ₃ | O-amino acid | O | 2-N-acetylamino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | O | 2-N-acetylamino-8-fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | O | 2-N-acetylaminohypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | O | Thymine | Br | O-acyl |
| CH ₃ | O-acyl | O | Uracil | Br | O-acyl |
| CH ₃ | O-acyl | O | Guanine | Br | O-acyl |
| CH ₃ | O-acyl | O | Cytosine | Br | O-acyl |
| CH ₃ | O-acyl | O | Adenine | Br | O-acyl |
| CH ₃ | O-acyl | O | Hypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | O | 5-Fluorouracil | Br | O-acyl |
| CH ₃ | O-acyl | O | 8-Fluoroguanine | Br | O-acyl |
| CH ₃ | O-acyl | O | 5-Fluorocytosine | Br | O-acyl |
| CH ₃ | O-acyl | O | 8-Fluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | O | 2-Fluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | O | 2,8-Difluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | O | 2-Fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | O | 8-Fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | O | 2,8-Difluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | O | 2-Aminoadenine | Br | O-acyl |
| CH ₃ | O-acyl | O | 2-Amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | O | 2-Amino-8-fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | O | 2-Aminohypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | O | 2-N-acetylguanine | Br | O-acyl |
| CH ₃ | O-acyl | O | 4-N-acetylcytosine | Br | O-acyl |
| CH ₃ | O-acyl | O | 6-N-acetyladenine | Br | O-acyl |
| CH ₃ | O-acyl | O | 2-N-acetyl-8-fluoroguanine | Br | O-acyl |
| CH ₃ | O-acyl | O | 4-N-acetyl-5-fluorocytosine | Br | O-acyl |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-fluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | O | 6-N-acetyl-2,8-difluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-aminoadenine | Br | O-acyl |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | O | 2-N-acetylaminoadenine | Br | O-acyl |
| CH ₃ | O-acyl | O | 2-N-acetylamino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | O | 2-N-acetylamino-8-fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | O | 2-N-acetylaminohypoxanthine | Br | O-acyl |
| CH ₃ | OH | O | Thymine | Br | O-acyl |
| CH ₃ | OH | O | Uracil | Br | O-acyl |
| CH ₃ | OH | O | Guanine | Br | O-acyl |
| CH ₃ | OH | O | Cytosine | Br | O-acyl |
| CH ₃ | OH | O | Adenine | Br | O-acyl |
| CH ₃ | OH | O | Hypoxanthine | Br | O-acyl |
| CH ₃ | OH | O | 5-Fluorouracil | Br | O-acyl |
| CH ₃ | OH | O | 8-Fluoroguanine | Br | O-acyl |
| CH ₃ | OH | O | 5-Fluorocytosine | Br | O-acyl |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CH ₃ | OH | O | 8-Fluoroadenine | Br | O-acyl |
| CH ₃ | OH | O | 2-Fluoroadenine | Br | O-acyl |
| CH ₃ | OH | O | 2,8-Difluoroadenine | Br | O-acyl |
| CH ₃ | OH | O | 2-Fluorohypoxanthine | Br | O-acyl |
| CH ₃ | OH | O | 8-Fluorohypoxanthine | Br | O-acyl |
| CH ₃ | OH | O | 2,8-Difluorohypoxanthine | Br | O-acyl |
| CH ₃ | OH | O | 2-Aminoadenine | Br | O-acyl |
| CH ₃ | OH | O | 2-Amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | OH | O | 2-Amino-8-fluorohypoxanthine | Br | O-acyl |
| CH ₃ | OH | O | 2-Aminohypoxanthine | Br | O-acyl |
| CH ₃ | OH | O | 2-N-acetylguanine | Br | O-acyl |
| CH ₃ | OH | O | 4-N-acetylcytosine | Br | O-acyl |
| CH ₃ | OH | O | 6-N-acetyladenine | Br | O-acyl |
| CH ₃ | OH | O | 2-N-acetyl-8-fluoroguanine | Br | O-acyl |
| CH ₃ | OH | O | 4-N-acetyl-5-fluorocytosine | Br | O-acyl |
| CH ₃ | OH | O | 6-N-acetyl-2-fluoroadenine | Br | O-acyl |
| CH ₃ | OH | O | 6-N-acetyl-2,8-difluoroadenine | Br | O-acyl |
| CH ₃ | OH | O | 6-N-acetyl-2-aminoadenine | Br | O-acyl |
| CH ₃ | OH | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | OH | O | 2-N-acetylaminoadenine | Br | O-acyl |
| CH ₃ | OH | O | 2-N-acetylamino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | OH | O | 2-N-acetylamino-8-fluorohypoxanthine | Br | O-acyl |
| CH ₃ | OH | O | 2-N-acetylaminohypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | O | Thymine | Cl | O-acyl |
| CH ₃ | O-acyl | O | Uracil | Cl | O-acyl |
| CH ₃ | O-acyl | O | Guanine | Cl | O-acyl |
| CH ₃ | O-acyl | O | Cytosine | Cl | O-acyl |
| CH ₃ | O-acyl | O | Adenine | Cl | O-acyl |
| CH ₃ | O-acyl | O | Hypoxanthine | Cl | O-acyl |
| CH ₃ | O-acyl | O | 5-Fluorouracil | Cl | O-acyl |
| CH ₃ | O-acyl | O | 8-Fluoroguanine | Cl | O-acyl |
| CH ₃ | O-acyl | O | 5-Fluorocytosine | Cl | O-acyl |
| CH ₃ | O-acyl | O | 8-Fluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | O | 2-Fluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | O | 2,8-Difluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | O | 2-Fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-acyl | O | 8-Fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-acyl | O | 2,8-Difluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-acyl | O | 2-Aminoadenine | Cl | O-acyl |
| CH ₃ | O-acyl | O | 2-Amino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | O | 2-Amino-8-fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-acyl | O | 2-Aminohypoxanthine | Cl | O-acyl |
| CH ₃ | O-acyl | O | 2-N-acetylguanine | Cl | O-acyl |
| CH ₃ | O-acyl | O | 4-N-acetylcytosine | Cl | O-acyl |
| CH ₃ | O-acyl | O | 6-N-acetyladenine | Cl | O-acyl |
| CH ₃ | O-acyl | O | 2-N-acetyl-8-fluoroguanine | Cl | O-acyl |
| CH ₃ | O-acyl | O | 4-N-acetyl-5-fluorocytosine | Cl | O-acyl |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CH ₃ | O-acyl | O | 6-N-acetyl-2-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | O | 6-N-acetyl-2,8-difluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-aminoadenine | Cl | O-acyl |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | O | 2-N-acetylaminoadenine | Cl | O-acyl |
| CH ₃ | O-acyl | O | 2-N-acetylamino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | O | 2-N-acetylamino-8-fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-acyl | O | 2-N-acetylaminohypoxanthine | Cl | O-acyl |
| CH ₃ | OH | O | Thymine | Cl | O-acyl |
| CH ₃ | OH | O | Uracil | Cl | O-acyl |
| CH ₃ | OH | O | Guanine | Cl | O-acyl |
| CH ₃ | OH | O | Cytosine | Cl | O-acyl |
| CH ₃ | OH | O | Adenine | Cl | O-acyl |
| CH ₃ | OH | O | Hypoxanthine | Cl | O-acyl |
| CH ₃ | OH | O | 5-Fluorouracil | Cl | O-acyl |
| CH ₃ | OH | O | 8-Fluoroguanine | Cl | O-acyl |
| CH ₃ | OH | O | 5-Fluorocytosine | Cl | O-acyl |
| CH ₃ | OH | O | 8-Fluoroadenine | Cl | O-acyl |
| CH ₃ | OH | O | 2-Fluoroadenine | Cl | O-acyl |
| CH ₃ | OH | O | 2,8-Difluoroadenine | Cl | O-acyl |
| CH ₃ | OH | O | 2-Fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | OH | O | 8-Fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | OH | O | 2,8-Difluorohypoxanthine | Cl | O-acyl |
| CH ₃ | OH | O | 2-Aminoadenine | Cl | O-acyl |
| CH ₃ | OH | O | 2-Amino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | OH | O | 2-Amino-8-fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | OH | O | 2-Aminohypoxanthine | Cl | O-acyl |
| CH ₃ | OH | O | 2-N-acetylguanine | Cl | O-acyl |
| CH ₃ | OH | O | 4-N-acetylcytosine | Cl | O-acyl |
| CH ₃ | OH | O | 6-N-acetyladenine | Cl | O-acyl |
| CH ₃ | OH | O | 2-N-acetyl-8-fluoroguanine | Cl | O-acyl |
| CH ₃ | OH | O | 4-N-acetyl-5-fluorocytosine | Cl | O-acyl |
| CH ₃ | OH | O | 6-N-acetyl-2-fluoroadenine | Cl | O-acyl |
| CH ₃ | OH | O | 6-N-acetyl-2,8-difluoroadenine | Cl | O-acyl |
| CH ₃ | OH | O | 6-N-acetyl-2-aminoadenine | Cl | O-acyl |
| CH ₃ | OH | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | OH | O | 2-N-acetylaminoadenine | Cl | O-acyl |
| CH ₃ | OH | O | 2-N-acetylamino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | OH | O | 2-N-acetylamino-8-fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | OH | O | 2-N-acetylaminohypoxanthine | Cl | O-acyl |
| CH ₃ | H | O | Thymine | Cl | O-acyl |
| CH ₃ | H | O | Uracil | Cl | O-acyl |
| CH ₃ | H | O | Guanine | Cl | O-acyl |
| CH ₃ | H | O | Cytosine | Cl | O-acyl |
| CH ₃ | H | O | Adenine | Cl | O-acyl |
| CH ₃ | H | O | Hypoxanthine | Cl | O-acyl |
| CH ₃ | H | O | 5-Fluorouracil | Cl | O-acyl |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CH ₃ | H | O | 8-Fluoroguanine | Cl | O-acyl |
| CH ₃ | H | O | 5-Fluorocytosine | Cl | O-acyl |
| CH ₃ | H | O | 8-Fluoroadenine | Cl | O-acyl |
| CH ₃ | H | O | 2-Fluoroadenine | Cl | O-acyl |
| CH ₃ | H | O | 2,8-Difluoroadenine | Cl | O-acyl |
| CH ₃ | H | O | 2-Fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | H | O | 8-Fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | H | O | 2,8-Difluorohypoxanthine | Cl | O-acyl |
| CH ₃ | H | O | 2-Aminoadenine | Cl | O-acyl |
| CH ₃ | H | O | 2-Amino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | H | O | 2-Amino-8-fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | H | O | 2-Aminohypoxanthine | Cl | O-acyl |
| CH ₃ | H | O | 2-N-acetylguanine | Cl | O-acyl |
| CH ₃ | H | O | 4-N-acetylcytosine | Cl | O-acyl |
| CH ₃ | H | O | 6-N-acetyladenine | Cl | O-acyl |
| CH ₃ | H | O | 2-N-acetyl-8-fluoroguanine | Cl | O-acyl |
| CH ₃ | H | O | 4-N-acetyl-5-fluorocytosine | Cl | O-acyl |
| CH ₃ | H | O | 6-N-acetyl-2-fluoroadenine | Cl | O-acyl |
| CH ₃ | H | O | 6-N-acetyl-2,8-difluoroadenine | Cl | O-acyl |
| CH ₃ | H | O | 6-N-acetyl-2-aminoadenine | Cl | O-acyl |
| CH ₃ | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | H | O | 2-N-acetylaminoadenine | Cl | O-acyl |
| CH ₃ | H | O | 2-N-acetylamino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | H | O | 2-N-acetylamino-8-fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | H | O | 2-N-acetylaminothypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | O | Thymine | Cl | O-acyl |
| CH ₃ | O-amino acid | O | Uracil | Cl | O-acyl |
| CH ₃ | O-amino acid | O | Guanine | Cl | O-acyl |
| CH ₃ | O-amino acid | O | Cytosine | Cl | O-acyl |
| CH ₃ | O-amino acid | O | Adenine | Cl | O-acyl |
| CH ₃ | O-amino acid | O | Hypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | O | 5-Fluorouracil | Cl | O-acyl |
| CH ₃ | O-amino acid | O | 8-Fluoroguanine | Cl | O-acyl |
| CH ₃ | O-amino acid | O | 5-Fluorocytosine | Cl | O-acyl |
| CH ₃ | O-amino acid | O | 8-Fluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | O | 2-Fluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | O | 2,8-Difluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | O | 2-Fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | O | 8-Fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | O | 2,8-Difluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | O | 2-Aminoadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | O | 2-Amino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | O | 2-Amino-8-fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | O | 2-Aminohypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | O | 2-N-acetylguanine | Cl | O-acyl |
| CH ₃ | O-amino acid | O | 4-N-acetylcytosine | Cl | O-acyl |
| CH ₃ | O-amino acid | O | 6-N-acetyladenine | Cl | O-acyl |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CH ₃ | O-amino acid | O | 2-N-acetyl-8-fluoroguanine | Cl | O-acyl |
| CH ₃ | O-amino acid | O | 4-N-acetyl-5-fluorocytosine | Cl | O-acyl |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2,8-difluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-aminoadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | O | 2-N-acetylaminoadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | O | 2-N-acetylamino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | O | 2-N-acetylamino-8-fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | O | 2-N-acetylaminohypoxanthine | Cl | O-acyl |
| CH ₃ | H | O | Thymine | H | O-acyl |
| CH ₃ | H | O | Uracil | H | O-acyl |
| CH ₃ | H | O | Guanine | H | O-acyl |
| CH ₃ | H | O | Cytosine | H | O-acyl |
| CH ₃ | H | O | Adenine | H | O-acyl |
| CH ₃ | H | O | Hypoxanthine | H | O-acyl |
| CH ₃ | H | O | 5-Fluorouracil | H | O-acyl |
| CH ₃ | H | O | 8-Fluoroguanine | H | O-acyl |
| CH ₃ | H | O | 5-Fluorocytosine | H | O-acyl |
| CH ₃ | H | O | 8-Fluoroadenine | H | O-acyl |
| CH ₃ | H | O | 2-Fluoroadenine | H | O-acyl |
| CH ₃ | H | O | 2,8-Difluoroadenine | H | O-acyl |
| CH ₃ | H | O | 2-Fluorohypoxanthine | H | O-acyl |
| CH ₃ | H | O | 8-Fluorohypoxanthine | H | O-acyl |
| CH ₃ | H | O | 2,8-Difluorohypoxanthine | H | O-acyl |
| CH ₃ | H | O | 2-Aminoadenine | H | O-acyl |
| CH ₃ | H | O | 2-Amino-8-fluoroadenine | H | O-acyl |
| CH ₃ | H | O | 2-Amino-8-fluorohypoxanthine | H | O-acyl |
| CH ₃ | H | O | 2-Aminohypoxanthine | H | O-acyl |
| CH ₃ | H | O | 2-N-acetylguanine | H | O-acyl |
| CH ₃ | H | O | 4-N-acetylcytosine | H | O-acyl |
| CH ₃ | H | O | 6-N-acetyladenine | H | O-acyl |
| CH ₃ | H | O | 2-N-acetyl-8-fluoroguanine | H | O-acyl |
| CH ₃ | H | O | 4-N-acetyl-5-fluorocytosine | H | O-acyl |
| CH ₃ | H | O | 6-N-acetyl-2-fluoroadenine | H | O-acyl |
| CH ₃ | H | O | 6-N-acetyl-2,8-difluoroadenine | H | O-acyl |
| CH ₃ | H | O | 6-N-acetyl-2-aminoadenine | H | O-acyl |
| CH ₃ | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-acyl |
| CH ₃ | H | O | 2-N-acetylaminoadenine | H | O-acyl |
| CH ₃ | H | O | 2-N-acetylamino-8-fluoroadenine | H | O-acyl |
| CH ₃ | H | O | 2-N-acetylamino-8-fluorohypoxanthine | H | O-acyl |
| CH ₃ | H | O | 2-N-acetylaminohypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | O | Thymine | H | O-acyl |
| CH ₃ | O-amino acid | O | Uracil | H | O-acyl |
| CH ₃ | O-amino acid | O | Guanine | H | O-acyl |
| CH ₃ | O-amino acid | O | Cytosine | H | O-acyl |
| CH ₃ | O-amino acid | O | Adenine | H | O-acyl |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CH ₃ | O-amino acid | O | Hypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | O | 5-Fluorouracil | H | O-acyl |
| CH ₃ | O-amino acid | O | 8-Fluoroguanine | H | O-acyl |
| CH ₃ | O-amino acid | O | 5-Fluorocytosine | H | O-acyl |
| CH ₃ | O-amino acid | O | 8-Fluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | O | 2-Fluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | O | 2,8-Difluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | O | 2-Fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | O | 8-Fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | O | 2,8-Difluorohypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | O | 2-Aminoadenine | H | O-acyl |
| CH ₃ | O-amino acid | O | 2-Amino-8-fluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | O | 2-Amino-8-fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | O | 2-Aminohypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | O | 2-N-acetylguanine | H | O-acyl |
| CH ₃ | O-amino acid | O | 4-N-acetylcytosine | H | O-acyl |
| CH ₃ | O-amino acid | O | 6-N-acetyladenine | H | O-acyl |
| CH ₃ | O-amino acid | O | 2-N-acetyl-8-fluoroguanine | H | O-acyl |
| CH ₃ | O-amino acid | O | 4-N-acetyl-5-fluorocytosine | H | O-acyl |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-fluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2,8-difluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-aminoadenine | H | O-acyl |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | O | 2-N-acetylaminoadenine | H | O-acyl |
| CH ₃ | O-amino acid | O | 2-N-acetylamino-8-fluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | O | 2-N-acetylamino-8-fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | O | 2-N-acetylaminohypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | O | Thymine | H | O-acyl |
| CH ₃ | O-acyl | O | Uracil | H | O-acyl |
| CH ₃ | O-acyl | O | Guanine | H | O-acyl |
| CH ₃ | O-acyl | O | Cytosine | H | O-acyl |
| CH ₃ | O-acyl | O | Adenine | H | O-acyl |
| CH ₃ | O-acyl | O | Hypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | O | 5-Fluorouracil | H | O-acyl |
| CH ₃ | O-acyl | O | 8-Fluoroguanine | H | O-acyl |
| CH ₃ | O-acyl | O | 5-Fluorocytosine | H | O-acyl |
| CH ₃ | O-acyl | O | 8-Fluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | O | 2-Fluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | O | 2,8-Difluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | O | 2-Fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | O | 8-Fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | O | 2,8-Difluorohypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | O | 2-Aminoadenine | H | O-acyl |
| CH ₃ | O-acyl | O | 2-Amino-8-fluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | O | 2-Amino-8-fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | O | 2-Aminohypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | O | 2-N-acetylguanine | H | O-acyl |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CH ₃ | O-acyl | O | 4-N-acetylcytosine | H | O-acyl |
| CH ₃ | O-acyl | O | 6-N-acetyladenine | H | O-acyl |
| CH ₃ | O-acyl | O | 2-N-acetyl-8-fluoroguanine | H | O-acyl |
| CH ₃ | O-acyl | O | 4-N-acetyl-5-fluorocytosine | H | O-acyl |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-fluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | O | 6-N-acetyl-2,8-difluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-aminoadenine | H | O-acyl |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | O | 2-N-acetylaminoadenine | H | O-acyl |
| CH ₃ | O-acyl | O | 2-N-acetylamino-8-fluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | O | 2-N-acetylamino-8-fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | O | 2-N-acetylaminohypoxanthine | H | O-acyl |
| CH ₃ | OH | O | Thymine | H | O-acyl |
| CH ₃ | OH | O | Uracil | H | O-acyl |
| CH ₃ | OH | O | Guanine | H | O-acyl |
| CH ₃ | OH | O | Cytosine | H | O-acyl |
| CH ₃ | OH | O | Adenine | H | O-acyl |
| CH ₃ | OH | O | Hypoxanthine | H | O-acyl |
| CH ₃ | OH | O | 5-Fluorouracil | H | O-acyl |
| CH ₃ | OH | O | 8-Fluoroguanine | H | O-acyl |
| CH ₃ | OH | O | 5-Fluorocytosine | H | O-acyl |
| CH ₃ | OH | O | 8-Fluoroadenine | H | O-acyl |
| CH ₃ | OH | O | 2-Fluoroadenine | H | O-acyl |
| CH ₃ | OH | O | 2,8-Difluoroadenine | H | O-acyl |
| CH ₃ | OH | O | 2-Fluorohypoxanthine | H | O-acyl |
| CH ₃ | OH | O | 8-Fluorohypoxanthine | H | O-acyl |
| CH ₃ | OH | O | 2,8-Difluorohypoxanthine | H | O-acyl |
| CH ₃ | OH | O | 2-Aminoadenine | H | O-acyl |
| CH ₃ | OH | O | 2-Amino-8-fluoroadenine | H | O-acyl |
| CH ₃ | OH | O | 2-Amino-8-fluorohypoxanthine | H | O-acyl |
| CH ₃ | OH | O | 2-Aminohypoxanthine | H | O-acyl |
| CH ₃ | OH | O | 2-N-acetylguanine | H | O-acyl |
| CH ₃ | OH | O | 4-N-acetylcytosine | H | O-acyl |
| CH ₃ | OH | O | 6-N-acetyladenine | H | O-acyl |
| CH ₃ | OH | O | 2-N-acetyl-8-fluoroguanine | H | O-acyl |
| CH ₃ | OH | O | 4-N-acetyl-5-fluorocytosine | H | O-acyl |
| CH ₃ | OH | O | 6-N-acetyl-2-fluoroadenine | H | O-acyl |
| CH ₃ | OH | O | 6-N-acetyl-2,8-difluoroadenine | H | O-acyl |
| CH ₃ | OH | O | 6-N-acetyl-2-aminoadenine | H | O-acyl |
| CH ₃ | OH | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-acyl |
| CH ₃ | OH | O | 2-N-acetylaminoadenine | H | O-acyl |
| CH ₃ | OH | O | 2-N-acetylamino-8-fluoroadenine | H | O-acyl |
| CH ₃ | OH | O | 2-N-acetylamino-8-fluorohypoxanthine | H | O-acyl |
| CH ₃ | OH | O | 2-N-acetylaminohypoxanthine | H | O-acyl |
| CH ₃ | H | O | Thymine | OH | O-acyl |
| CH ₃ | H | O | Uracil | OH | O-acyl |
| CH ₃ | H | O | Guanine | OH | O-acyl |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CH ₃ | H | O | Cytosine | OH | O-acyl |
| CH ₃ | H | O | Adenine | OH | O-acyl |
| CH ₃ | H | O | Hypoxanthine | OH | O-acyl |
| CH ₃ | H | O | 5-Fluorouracil | OH | O-acyl |
| CH ₃ | H | O | 8-Fluoroguanine | OH | O-acyl |
| CH ₃ | H | O | 5-Fluorocytosine | OH | O-acyl |
| CH ₃ | H | O | 8-Fluoroadenine | OH | O-acyl |
| CH ₃ | H | O | 2-Fluoroadenine | OH | O-acyl |
| CH ₃ | H | O | 2,8-Difluoroadenine | OH | O-acyl |
| CH ₃ | H | O | 2-Fluorohypoxanthine | OH | O-acyl |
| CH ₃ | H | O | 8-Fluorohypoxanthine | OH | O-acyl |
| CH ₃ | H | O | 2,8-Difluorohypoxanthine | OH | O-acyl |
| CH ₃ | H | O | 2-Aminoadenine | OH | O-acyl |
| CH ₃ | H | O | 2-Amino-8-fluoroadenine | OH | O-acyl |
| CH ₃ | H | O | 2-Amino-8-fluorohypoxanthine | OH | O-acyl |
| CH ₃ | H | O | 2-Aminohypoxanthine | OH | O-acyl |
| CH ₃ | H | O | 2-N-acetylguanine | OH | O-acyl |
| CH ₃ | H | O | 4-N-acetylcytosine | OH | O-acyl |
| CH ₃ | H | O | 6-N-acetyladenine | OH | O-acyl |
| CH ₃ | H | O | 2-N-acetyl-8-fluoroguanine | OH | O-acyl |
| CH ₃ | H | O | 4-N-acetyl-5-fluorocytosine | OH | O-acyl |
| CH ₃ | H | O | 6-N-acetyl-2-fluoroadenine | OH | O-acyl |
| CH ₃ | H | O | 6-N-acetyl-2,8-difluoroadenine | OH | O-acyl |
| CH ₃ | H | O | 6-N-acetyl-2-aminoadenine | OH | O-acyl |
| CH ₃ | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | OH | O-acyl |
| CH ₃ | H | O | 2-N-acetylaminoadenine | OH | O-acyl |
| CH ₃ | H | O | 2-N-acetyl-amino-8-fluoroadenine | OH | O-acyl |
| CH ₃ | H | O | 2-N-acetyl-amino-8-fluorohypoxanthine | OH | O-acyl |
| CH ₃ | H | O | 2-N-acetylaminohypoxanthine | OH | O-acyl |
| CH ₃ | H | O | Thymine | F | O-amino acid |
| CH ₃ | H | O | Uracil | F | O-amino acid |
| CH ₃ | H | O | Guanine | F | O-amino acid |
| CH ₃ | H | O | Cytosine | F | O-amino acid |
| CH ₃ | H | O | Adenine | F | O-amino acid |
| CH ₃ | H | O | Hypoxanthine | F | O-amino acid |
| CH ₃ | H | O | 5-Fluorouracil | F | O-amino acid |
| CH ₃ | H | O | 8-Fluoroguanine | F | O-amino acid |
| CH ₃ | H | O | 5-Fluorocytosine | F | O-amino acid |
| CH ₃ | H | O | 8-Fluoroadenine | F | O-amino acid |
| CH ₃ | H | O | 2-Fluoroadenine | F | O-amino acid |
| CH ₃ | H | O | 2,8-Difluoroadenine | F | O-amino acid |
| CH ₃ | H | O | 2-Fluorohypoxanthine | F | O-amino acid |
| CH ₃ | H | O | 8-Fluorohypoxanthine | F | O-amino acid |
| CH ₃ | H | O | 2,8-Difluorohypoxanthine | F | O-amino acid |
| CH ₃ | H | O | 2-Aminoadenine | F | O-amino acid |
| CH ₃ | H | O | 2-Amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | H | O | 2-Amino-8-fluorohypoxanthine | F | O-amino acid |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CH ₃ | H | O | 2-Aminohypoxanthine | F | O-amino acid |
| CH ₃ | H | O | 2-N-acetylguanine | F | O-amino acid |
| CH ₃ | H | O | 4-N-acetylcytosine | F | O-amino acid |
| CH ₃ | H | O | 6-N-acetyladenine | F | O-amino acid |
| CH ₃ | H | O | 2-N-acetyl-8-fluoroguanine | F | O-amino acid |
| CH ₃ | H | O | 4-N-acetyl-5-fluorocytosine | F | O-amino acid |
| CH ₃ | H | O | 6-N-acetyl-2-fluoroadenine | F | O-amino acid |
| CH ₃ | H | O | 6-N-acetyl-2,8-difluoroadenine | F | O-amino acid |
| CH ₃ | H | O | 6-N-acetyl-2-aminoadenine | F | O-amino acid |
| CH ₃ | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | H | O | 2-N-acetylaminoadenine | F | O-amino acid |
| CH ₃ | H | O | 2-N-acetyl-amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | H | O | 2-N-acetyl-amino-8-fluorohypoxanthine | F | O-amino acid |
| CH ₃ | H | O | 2-N-acetylaminohypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | O | Thymine | F | O-amino acid |
| CH ₃ | O-amino acid | O | Uracil | F | O-amino acid |
| CH ₃ | O-amino acid | O | Guanine | F | O-amino acid |
| CH ₃ | O-amino acid | O | Cytosine | F | O-amino acid |
| CH ₃ | O-amino acid | O | Adenine | F | O-amino acid |
| CH ₃ | O-amino acid | O | Hypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | O | 5-Fluorouracil | F | O-amino acid |
| CH ₃ | O-amino acid | O | 8-Fluoroguanine | F | O-amino acid |
| CH ₃ | O-amino acid | O | 5-Fluorocytosine | F | O-amino acid |
| CH ₃ | O-amino acid | O | 8-Fluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | O | 2-Fluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | O | 2,8-Difluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | O | 2-Fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | O | 8-Fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | O | 2,8-Difluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | O | 2-Aminoadenine | F | O-amino acid |
| CH ₃ | O-amino acid | O | 2-Amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | O | 2-Amino-8-fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | O | 2-Aminohypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | O | 2-N-acetylguanine | F | O-amino acid |
| CH ₃ | O-amino acid | O | 4-N-acetylcytosine | F | O-amino acid |
| CH ₃ | O-amino acid | O | 6-N-acetyladenine | F | O-amino acid |
| CH ₃ | O-amino acid | O | 2-N-acetyl-8-fluoroguanine | F | O-amino acid |
| CH ₃ | O-amino acid | O | 4-N-acetyl-5-fluorocytosine | F | O-amino acid |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-fluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2,8-difluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-aminoadenine | F | O-amino acid |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | O | 2-N-acetylaminoadenine | F | O-amino acid |
| CH ₃ | O-amino acid | O | 2-N-acetyl-amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | O | 2-N-acetyl-amino-8-fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | O | 2-N-acetylaminohypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | O | Thymine | F | O-amino acid |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CH ₃ | O-acyl | O | Uracil | F | O-amino acid |
| CH ₃ | O-acyl | O | Guanine | F | O-amino acid |
| CH ₃ | O-acyl | O | Cytosine | F | O-amino acid |
| CH ₃ | O-acyl | O | Adenine | F | O-amino acid |
| CH ₃ | O-acyl | O | Hypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | O | 5-Fluorouracil | F | O-amino acid |
| CH ₃ | O-acyl | O | 8-Fluoroguanine | F | O-amino acid |
| CH ₃ | O-acyl | O | 5-Fluorocytosine | F | O-amino acid |
| CH ₃ | O-acyl | O | 8-Fluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | O | 2-Fluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | O | 2,8-Difluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | O | 2-Fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | O | 8-Fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | O | 2,8-Difluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | O | 2-Aminoadenine | F | O-amino acid |
| CH ₃ | O-acyl | O | 2-Amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | O | 2-Amino-8-fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | O | 2-Aminohypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | O | 2-N-acetylguanine | F | O-amino acid |
| CH ₃ | O-acyl | O | 4-N-acetylcytosine | F | O-amino acid |
| CH ₃ | O-acyl | O | 6-N-acetyladenine | F | O-amino acid |
| CH ₃ | O-acyl | O | 2-N-acetyl-8-fluoroguanine | F | O-amino acid |
| CH ₃ | O-acyl | O | 4-N-acetyl-5-fluorocytosine | F | O-amino acid |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-fluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | O | 6-N-acetyl-2,8-difluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-aminoadenine | F | O-amino acid |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | O | 2-N-acetylaminoadenine | F | O-amino acid |
| CH ₃ | O-acyl | O | 2-N-acetyl-amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | O | 2-N-acetyl-amino-8-fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | O | 2-N-acetylaminohypoxanthine | F | O-amino acid |
| CH ₃ | OH | O | Thymine | F | O-amino acid |
| CH ₃ | OH | O | Uracil | F | O-amino acid |
| CH ₃ | OH | O | Guanine | F | O-amino acid |
| CH ₃ | OH | O | Cytosine | F | O-amino acid |
| CH ₃ | OH | O | Adenine | F | O-amino acid |
| CH ₃ | OH | O | Hypoxanthine | F | O-amino acid |
| CH ₃ | OH | O | 5-Fluorouracil | F | O-amino acid |
| CH ₃ | OH | O | 8-Fluoroguanine | F | O-amino acid |
| CH ₃ | OH | O | 5-Fluorocytosine | F | O-amino acid |
| CH ₃ | OH | O | 8-Fluoroadenine | F | O-amino acid |
| CH ₃ | OH | O | 2-Fluoroadenine | F | O-amino acid |
| CH ₃ | OH | O | 2,8-Difluoroadenine | F | O-amino acid |
| CH ₃ | OH | O | 2-Fluorohypoxanthine | F | O-amino acid |
| CH ₃ | OH | O | 8-Fluorohypoxanthine | F | O-amino acid |
| CH ₃ | OH | O | 2,8-Difluorohypoxanthine | F | O-amino acid |
| CH ₃ | OH | O | 2-Aminoadenine | F | O-amino acid |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CH ₃ | OH | O | 2-Amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | OH | O | 2-Amino-8-fluorohypoxanthine | F | O-amino acid |
| CH ₃ | OH | O | 2-Aminohypoxanthine | F | O-amino acid |
| CH ₃ | OH | O | 2-N-acetylguanine | F | O-amino acid |
| CH ₃ | OH | O | 4-N-acetylcytosine | F | O-amino acid |
| CH ₃ | OH | O | 6-N-acetyladenine | F | O-amino acid |
| CH ₃ | OH | O | 2-N-acetyl-8-fluoroguanine | F | O-amino acid |
| CH ₃ | OH | O | 4-N-acetyl-5-fluorocytosine | F | O-amino acid |
| CH ₃ | OH | O | 6-N-acetyl-2-fluoroadenine | F | O-amino acid |
| CH ₃ | OH | O | 6-N-acetyl-2,8-difluoroadenine | F | O-amino acid |
| CH ₃ | OH | O | 6-N-acetyl-2-aminoadenine | F | O-amino acid |
| CH ₃ | OH | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | OH | O | 2-N-acetylaminoadenine | F | O-amino acid |
| CH ₃ | OH | O | 2-N-acetylamino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | OH | O | 2-N-acetylamino-8-fluorohypoxanthine | F | O-amino acid |
| CH ₃ | OH | O | 2-N-acetylaminohypoxanthine | F | O-amino acid |
| CH ₃ | H | O | Thymine | Br | O-amino acid |
| CH ₃ | H | O | Uracil | Br | O-amino acid |
| CH ₃ | H | O | Guanine | Br | O-amino acid |
| CH ₃ | H | O | Cytosine | Br | O-amino acid |
| CH ₃ | H | O | Adenine | Br | O-amino acid |
| CH ₃ | H | O | Hypoxanthine | Br | O-amino acid |
| CH ₃ | H | O | 5-Fluorouracil | Br | O-amino acid |
| CH ₃ | H | O | 8-Fluoroguanine | Br | O-amino acid |
| CH ₃ | H | O | 5-Fluorocytosine | Br | O-amino acid |
| CH ₃ | H | O | 8-Fluoroadenine | Br | O-amino acid |
| CH ₃ | H | O | 2-Fluoroadenine | Br | O-amino acid |
| CH ₃ | H | O | 2,8-Difluoroadenine | Br | O-amino acid |
| CH ₃ | H | O | 2-Fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | H | O | 8-Fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | H | O | 2,8-Difluorohypoxanthine | Br | O-amino acid |
| CH ₃ | H | O | 2-Aminoadenine | Br | O-amino acid |
| CH ₃ | H | O | 2-Amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | H | O | 2-Amino-8-fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | H | O | 2-Aminohypoxanthine | Br | O-amino acid |
| CH ₃ | H | O | 2-N-acetylguanine | Br | O-amino acid |
| CH ₃ | H | O | 4-N-acetylcytosine | Br | O-amino acid |
| CH ₃ | H | O | 6-N-acetyladenine | Br | O-amino acid |
| CH ₃ | H | O | 2-N-acetyl-8-fluoroguanine | Br | O-amino acid |
| CH ₃ | H | O | 4-N-acetyl-5-fluorocytosine | Br | O-amino acid |
| CH ₃ | H | O | 6-N-acetyl-2-fluoroadenine | Br | O-amino acid |
| CH ₃ | H | O | 6-N-acetyl-2,8-difluoroadenine | Br | O-amino acid |
| CH ₃ | H | O | 6-N-acetyl-2-aminoadenine | Br | O-amino acid |
| CH ₃ | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | H | O | 2-N-acetylaminoadenine | Br | O-amino acid |
| CH ₃ | H | O | 2-N-acetylamino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | H | O | 2-N-acetylamino-8-fluorohypoxanthine | Br | O-amino acid |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CH ₃ | H | O | 2-N-acetylaminohypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | O | Thymine | Br | O-amino acid |
| CH ₃ | O-amino acid | O | Uracil | Br | O-amino acid |
| CH ₃ | O-amino acid | O | Guanine | Br | O-amino acid |
| CH ₃ | O-amino acid | O | Cytosine | Br | O-amino acid |
| CH ₃ | O-amino acid | O | Adenine | Br | O-amino acid |
| CH ₃ | O-amino acid | O | Hypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | O | 5-Fluorouracil | Br | O-amino acid |
| CH ₃ | O-amino acid | O | 8-Fluoroguanine | Br | O-amino acid |
| CH ₃ | O-amino acid | O | 5-Fluorocytosine | Br | O-amino acid |
| CH ₃ | O-amino acid | O | 8-Fluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | O | 2-Fluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | O | 2,8-Difluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | O | 2-Fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | O | 8-Fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | O | 2,8-Difluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | O | 2-Aminoadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | O | 2-Amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | O | 2-Amino-8-fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | O | 2-Aminohypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | O | 2-N-acetylguanine | Br | O-amino acid |
| CH ₃ | O-amino acid | O | 4-N-acetylcytosine | Br | O-amino acid |
| CH ₃ | O-amino acid | O | 6-N-acetyladenine | Br | O-amino acid |
| CH ₃ | O-amino acid | O | 2-N-acetyl-8-fluoroguanine | Br | O-amino acid |
| CH ₃ | O-amino acid | O | 4-N-acetyl-5-fluorocytosine | Br | O-amino acid |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2,8-difluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-aminoadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | O | 2-N-acetylaminoadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | O | 2-N-acetyl-amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | O | 2-N-acetylaminohypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | O | Thymine | Br | O-amino acid |
| CH ₃ | O-acyl | O | Uracil | Br | O-amino acid |
| CH ₃ | O-acyl | O | Guanine | Br | O-amino acid |
| CH ₃ | O-acyl | O | Cytosine | Br | O-amino acid |
| CH ₃ | O-acyl | O | Adenine | Br | O-amino acid |
| CH ₃ | O-acyl | O | Hypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | O | 5-Fluorouracil | Br | O-amino acid |
| CH ₃ | O-acyl | O | 8-Fluoroguanine | Br | O-amino acid |
| CH ₃ | O-acyl | O | 5-Fluorocytosine | Br | O-amino acid |
| CH ₃ | O-acyl | O | 8-Fluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | O | 2-Fluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | O | 2,8-Difluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | O | 2-Fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | O | 8-Fluorohypoxanthine | Br | O-amino acid |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CH ₃ | O-acyl | O | 2,8-Difluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | O | 2-Aminoadenine | Br | O-amino acid |
| CH ₃ | O-acyl | O | 2-Amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | O | 2-Amino-8-fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | O | 2-Aminohypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | O | 2-N-acetylguanine | Br | O-amino acid |
| CH ₃ | O-acyl | O | 4-N-acetylcytosine | Br | O-amino acid |
| CH ₃ | O-acyl | O | 6-N-acetyladenine | Br | O-amino acid |
| CH ₃ | O-acyl | O | 2-N-acetyl-8-fluoroguanine | Br | O-amino acid |
| CH ₃ | O-acyl | O | 4-N-acetyl-5-fluorocytosine | Br | O-amino acid |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | O | 6-N-acetyl-2,8-difluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-aminoadenine | Br | O-amino acid |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | O | 2-N-acetylaminoadenine | Br | O-amino acid |
| CH ₃ | O-acyl | O | 2-N-acetylamino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | O | 2-N-acetylamino-8-fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | O | 2-N-acetylaminohypoxanthine | Br | O-amino acid |
| CH ₃ | OH | O | Thymine | Br | O-amino acid |
| CH ₃ | OH | O | Uracil | Br | O-amino acid |
| CH ₃ | OH | O | Guanine | Br | O-amino acid |
| CH ₃ | OH | O | Cytosine | Br | O-amino acid |
| CH ₃ | OH | O | Adenine | Br | O-amino acid |
| CH ₃ | OH | O | Hypoxanthine | Br | O-amino acid |
| CH ₃ | OH | O | 5-Fluorouracil | Br | O-amino acid |
| CH ₃ | OH | O | 8-Fluoroguanine | Br | O-amino acid |
| CH ₃ | OH | O | 5-Fluorocytosine | Br | O-amino acid |
| CH ₃ | OH | O | 8-Fluoroadenine | Br | O-amino acid |
| CH ₃ | OH | O | 2-Fluoroadenine | Br | O-amino acid |
| CH ₃ | OH | O | 2,8-Difluoroadenine | Br | O-amino acid |
| CH ₃ | OH | O | 2-Fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | OH | O | 8-Fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | OH | O | 2,8-Difluorohypoxanthine | Br | O-amino acid |
| CH ₃ | OH | O | 2-Aminoadenine | Br | O-amino acid |
| CH ₃ | OH | O | 2-Amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | OH | O | 2-Amino-8-fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | OH | O | 2-Aminohypoxanthine | Br | O-amino acid |
| CH ₃ | OH | O | 2-N-acetylguanine | Br | O-amino acid |
| CH ₃ | OH | O | 4-N-acetylcytosine | Br | O-amino acid |
| CH ₃ | OH | O | 6-N-acetyladenine | Br | O-amino acid |
| CH ₃ | OH | O | 2-N-acetyl-8-fluoroguanine | Br | O-amino acid |
| CH ₃ | OH | O | 4-N-acetyl-5-fluorocytosine | Br | O-amino acid |
| CH ₃ | OH | O | 6-N-acetyl-2-fluoroadenine | Br | O-amino acid |
| CH ₃ | OH | O | 6-N-acetyl-2,8-difluoroadenine | Br | O-amino acid |
| CH ₃ | OH | O | 6-N-acetyl-2-aminoadenine | Br | O-amino acid |
| CH ₃ | OH | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | OH | O | 2-N-acetylaminoadenine | Br | O-amino acid |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CH ₃ | OH | O | 2-N-acetylamino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | OH | O | 2-N-acetylamino-8-fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | OH | O | 2-N-acetylaminohypoxanthine | Br | O-amino acid |
| CH ₃ | H | O | Thymine | Cl | O-amino acid |
| CH ₃ | H | O | Uracil | Cl | O-amino acid |
| CH ₃ | H | O | Guanine | Cl | O-amino acid |
| CH ₃ | H | O | Cytosine | Cl | O-amino acid |
| CH ₃ | H | O | Adenine | Cl | O-amino acid |
| CH ₃ | H | O | Hypoxanthine | Cl | O-amino acid |
| CH ₃ | H | O | 5-Fluorouracil | Cl | O-amino acid |
| CH ₃ | H | O | 8-Fluoroguanine | Cl | O-amino acid |
| CH ₃ | H | O | 5-Fluorocytosine | Cl | O-amino acid |
| CH ₃ | H | O | 8-Fluoroadenine | Cl | O-amino acid |
| CH ₃ | H | O | 2-Fluoroadenine | Cl | O-amino acid |
| CH ₃ | H | O | 2,8-Difluoroadenine | Cl | O-amino acid |
| CH ₃ | H | O | 2-Fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | H | O | 8-Fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | H | O | 2,8-Difluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | H | O | 2-Aminoadenine | Cl | O-amino acid |
| CH ₃ | H | O | 2-Amino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | H | O | 2-Amino-8-fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | H | O | 2-Aminohypoxanthine | Cl | O-amino acid |
| CH ₃ | H | O | 2-N-acetylguanine | Cl | O-amino acid |
| CH ₃ | H | O | 4-N-acetylcytosine | Cl | O-amino acid |
| CH ₃ | H | O | 6-N-acetyladenine | Cl | O-amino acid |
| CH ₃ | H | O | 2-N-acetyl-8-fluoroguanine | Cl | O-amino acid |
| CH ₃ | H | O | 4-N-acetyl-5-fluorocytosine | Cl | O-amino acid |
| CH ₃ | H | O | 6-N-acetyl-2-fluoroadenine | Cl | O-amino acid |
| CH ₃ | H | O | 6-N-acetyl-2,8-difluoroadenine | Cl | O-amino acid |
| CH ₃ | H | O | 6-N-acetyl-2-aminoadenine | Cl | O-amino acid |
| CH ₃ | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | H | O | 2-N-acetylaminoadenine | Cl | O-amino acid |
| CH ₃ | H | O | 2-N-acetylamino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | H | O | 2-N-acetylamino-8-fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | H | O | 2-N-acetylaminohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | O | Thymine | Cl | O-amino acid |
| CH ₃ | O-amino acid | O | Uracil | Cl | O-amino acid |
| CH ₃ | O-amino acid | O | Guanine | Cl | O-amino acid |
| CH ₃ | O-amino acid | O | Cytosine | Cl | O-amino acid |
| CH ₃ | O-amino acid | O | Adenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | O | Hypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | O | 5-Fluorouracil | Cl | O-amino acid |
| CH ₃ | O-amino acid | O | 8-Fluoroguanine | Cl | O-amino acid |
| CH ₃ | O-amino acid | O | 5-Fluorocytosine | Cl | O-amino acid |
| CH ₃ | O-amino acid | O | 8-Fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | O | 2-Fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | O | 2,8-Difluoroadenine | Cl | O-amino acid |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CH ₃ | O-amino acid | O | 2-Fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | O | 8-Fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | O | 2,8-Difluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | O | 2-Aminoadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | O | 2-Amino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | O | 2-Amino-8-fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | O | 2-Aminohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | O | 2-N-acetylguanine | Cl | O-amino acid |
| CH ₃ | O-amino acid | O | 4-N-acetylcytosine | Cl | O-amino acid |
| CH ₃ | O-amino acid | O | 6-N-acetyladenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | O | 2-N-acetyl-8-fluoroguanine | Cl | O-amino acid |
| CH ₃ | O-amino acid | O | 4-N-acetyl-5-fluorocytosine | Cl | O-amino acid |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2,8-difluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-aminoadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | O | 2-N-acetylaminoadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | O | 2-N-acetyl-amino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | O | 2-N-acetylaminohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | O | Thymine | Cl | O-amino acid |
| CH ₃ | O-acyl | O | Uracil | Cl | O-amino acid |
| CH ₃ | O-acyl | O | Guanine | Cl | O-amino acid |
| CH ₃ | O-acyl | O | Cytosine | Cl | O-amino acid |
| CH ₃ | O-acyl | O | Adenine | Cl | O-amino acid |
| CH ₃ | O-acyl | O | Hypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | O | 5-Fluorouracil | Cl | O-amino acid |
| CH ₃ | O-acyl | O | 8-Fluoroguanine | Cl | O-amino acid |
| CH ₃ | O-acyl | O | 5-Fluorocytosine | Cl | O-amino acid |
| CH ₃ | O-acyl | O | 8-Fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | O | 2-Fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | O | 2,8-Difluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | O | 2-Fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | O | 8-Fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | O | 2,8-Difluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | O | 2-Aminoadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | O | 2-Amino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | O | 2-Amino-8-fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | O | 2-Aminohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | O | 2-N-acetylguanine | Cl | O-amino acid |
| CH ₃ | O-acyl | O | 4-N-acetylcytosine | Cl | O-amino acid |
| CH ₃ | O-acyl | O | 6-N-acetyladenine | Cl | O-amino acid |
| CH ₃ | O-acyl | O | 2-N-acetyl-8-fluoroguanine | Cl | O-amino acid |
| CH ₃ | O-acyl | O | 4-N-acetyl-5-fluorocytosine | Cl | O-amino acid |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | O | 6-N-acetyl-2,8-difluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-aminoadenine | Cl | O-amino acid |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CH ₃ | O-acyl | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | O | 2-N-acetylaminoadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | O | 2-N-acetylamino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | O | 2-N-acetylamino-8-fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | O | 2-N-acetylaminohypoxanthine | Cl | O-amino acid |
| CH ₃ | OH | O | Thymine | Cl | O-amino acid |
| CH ₃ | OH | O | Uracil | Cl | O-amino acid |
| CH ₃ | OH | O | Guanine | Cl | O-amino acid |
| CH ₃ | OH | O | Cytosine | Cl | O-amino acid |
| CH ₃ | OH | O | Adenine | Cl | O-amino acid |
| CH ₃ | OH | O | Hypoxanthine | Cl | O-amino acid |
| CH ₃ | OH | O | 5-Fluorouracil | Cl | O-amino acid |
| CH ₃ | OH | O | 8-Fluoroguanine | Cl | O-amino acid |
| CH ₃ | OH | O | 5-Fluorocytosine | Cl | O-amino acid |
| CH ₃ | OH | O | 8-Fluoroadenine | Cl | O-amino acid |
| CH ₃ | OH | O | 2-Fluoroadenine | Cl | O-amino acid |
| CH ₃ | OH | O | 2,8-Difluoroadenine | Cl | O-amino acid |
| CH ₃ | OH | O | 2-Fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | OH | O | 8-Fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | OH | O | 2,8-Difluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | OH | O | 2-Aminoadenine | Cl | O-amino acid |
| CH ₃ | OH | O | 2-Amino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | OH | O | 2-Amino-8-fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | OH | O | 2-Aminohypoxanthine | Cl | O-amino acid |
| CH ₃ | OH | O | 2-N-acetylguanine | Cl | O-amino acid |
| CH ₃ | OH | O | 4-N-acetylcytosine | Cl | O-amino acid |
| CH ₃ | OH | O | 6-N-acetyladenine | Cl | O-amino acid |
| CH ₃ | OH | O | 2-N-acetyl-8-fluoroguanine | Cl | O-amino acid |
| CH ₃ | OH | O | 4-N-acetyl-5-fluorocytosine | Cl | O-amino acid |
| CH ₃ | OH | O | 6-N-acetyl-2-fluoroadenine | Cl | O-amino acid |
| CH ₃ | OH | O | 6-N-acetyl-2,8-difluoroadenine | Cl | O-amino acid |
| CH ₃ | OH | O | 6-N-acetyl-2-aminoadenine | Cl | O-amino acid |
| CH ₃ | OH | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | OH | O | 2-N-acetylaminoadenine | Cl | O-amino acid |
| CH ₃ | OH | O | 2-N-acetylamino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | OH | O | 2-N-acetylamino-8-fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | OH | O | 2-N-acetylaminohypoxanthine | Cl | O-amino acid |
| CH ₃ | H | O | Thymine | H | O-amino acid |
| CH ₃ | H | O | Uracil | H | O-amino acid |
| CH ₃ | H | O | Guanine | H | O-amino acid |
| CH ₃ | H | O | Cytosine | H | O-amino acid |
| CH ₃ | H | O | Adenine | H | O-amino acid |
| CH ₃ | H | O | Hypoxanthine | H | O-amino acid |
| CH ₃ | H | O | 5-Fluorouracil | H | O-amino acid |
| CH ₃ | H | O | 8-Fluoroguanine | H | O-amino acid |
| CH ₃ | H | O | 5-Fluorocytosine | H | O-amino acid |
| CH ₃ | H | O | 8-Fluoroadenine | H | O-amino acid |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CH ₃ | H | O | 2-Fluoroadenine | H | O-amino acid |
| CH ₃ | H | O | 2,8-Difluoroadenine | H | O-amino acid |
| CH ₃ | H | O | 2-Fluorohypoxanthine | H | O-amino acid |
| CH ₃ | H | O | 8-Fluorohypoxanthine | H | O-amino acid |
| CH ₃ | H | O | 2,8-Difluorohypoxanthine | H | O-amino acid |
| CH ₃ | H | O | 2-Aminoadenine | H | O-amino acid |
| CH ₃ | H | O | 2-Amino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | H | O | 2-Amino-8-fluorohypoxanthine | H | O-amino acid |
| CH ₃ | H | O | 2-Aminohypoxanthine | H | O-amino acid |
| CH ₃ | H | O | 2-N-acetylguanine | H | O-amino acid |
| CH ₃ | H | O | 4-N-acetylcytosine | H | O-amino acid |
| CH ₃ | H | O | 6-N-acetyladenine | H | O-amino acid |
| CH ₃ | H | O | 2-N-acetyl-8-fluoroguanine | H | O-amino acid |
| CH ₃ | H | O | 4-N-acetyl-5-fluorocytosine | H | O-amino acid |
| CH ₃ | H | O | 6-N-acetyl-2-fluoroadenine | H | O-amino acid |
| CH ₃ | H | O | 6-N-acetyl-2,8-difluoroadenine | H | O-amino acid |
| CH ₃ | H | O | 6-N-acetyl-2-aminoadenine | H | O-amino acid |
| CH ₃ | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | H | O | 2-N-acetylaminoadenine | H | O-amino acid |
| CH ₃ | H | O | 2-N-acetylamino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | H | O | 2-N-acetylamino-8-fluorohypoxanthine | H | O-amino acid |
| CH ₃ | H | O | 2-N-acetylaminohypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | O | Thymine | H | O-amino acid |
| CH ₃ | O-amino acid | O | Uracil | H | O-amino acid |
| CH ₃ | O-amino acid | O | Guanine | H | O-amino acid |
| CH ₃ | O-amino acid | O | Cytosine | H | O-amino acid |
| CH ₃ | O-amino acid | O | Adenine | H | O-amino acid |
| CH ₃ | O-amino acid | O | Hypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | O | 5-Fluorouracil | H | O-amino acid |
| CH ₃ | O-amino acid | O | 8-Fluoroguanine | H | O-amino acid |
| CH ₃ | O-amino acid | O | 5-Fluorocytosine | H | O-amino acid |
| CH ₃ | O-amino acid | O | 8-Fluoroadenine | H | O-amino acid |
| CH ₃ | O-amino acid | O | 2-Fluoroadenine | H | O-amino acid |
| CH ₃ | O-amino acid | O | 2,8-Difluoroadenine | H | O-amino acid |
| CH ₃ | O-amino acid | O | 2-Fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | O | 8-Fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | O | 2,8-Difluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | O | 2-Aminoadenine | H | O-amino acid |
| CH ₃ | O-amino acid | O | 2-Amino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | O-amino acid | O | 2-Amino-8-fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | O | 2-Aminohypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | O | 2-N-acetylguanine | H | O-amino acid |
| CH ₃ | O-amino acid | O | 4-N-acetylcytosine | H | O-amino acid |
| CH ₃ | O-amino acid | O | 6-N-acetyladenine | H | O-amino acid |
| CH ₃ | O-amino acid | O | 2-N-acetyl-8-fluoroguanine | H | O-amino acid |
| CH ₃ | O-amino acid | O | 4-N-acetyl-5-fluorocytosine | H | O-amino acid |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-fluoroadenine | H | O-amino acid |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CH ₃ | O-amino acid | O | 6-N-acetyl-2,8-difluoroadenine | H | O-amino acid |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-aminoadenine | H | O-amino acid |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | O-amino acid | O | 2-N-acetylaminoadenine | H | O-amino acid |
| CH ₃ | O-amino acid | O | 2-N-acetyl-amino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | O-amino acid | O | 2-N-acetyl-amino-8-fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | O | 2-N-acetylaminohypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | O | Thymine | H | O-amino acid |
| CH ₃ | O-acyl | O | Uracil | H | O-amino acid |
| CH ₃ | O-acyl | O | Guanine | H | O-amino acid |
| CH ₃ | O-acyl | O | Cytosine | H | O-amino acid |
| CH ₃ | O-acyl | O | Adenine | H | O-amino acid |
| CH ₃ | O-acyl | O | Hypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | O | 5-Fluorouracil | H | O-amino acid |
| CH ₃ | O-acyl | O | 8-Fluoroguanine | H | O-amino acid |
| CH ₃ | O-acyl | O | 5-Fluorocytosine | H | O-amino acid |
| CH ₃ | O-acyl | O | 8-Fluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | O | 2-Fluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | O | 2,8-Difluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | O | 2-Fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | O | 8-Fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | O | 2,8-Difluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | O | 2-Aminoadenine | H | O-amino acid |
| CH ₃ | O-acyl | O | 2-Amino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | O | 2-Amino-8-fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | O | 2-Aminohypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | O | 2-N-acetylguanine | H | O-amino acid |
| CH ₃ | O-acyl | O | 4-N-acetylcytosine | H | O-amino acid |
| CH ₃ | O-acyl | O | 6-N-acetyl-adenine | H | O-amino acid |
| CH ₃ | O-acyl | O | 2-N-acetyl-8-fluoroguanine | H | O-amino acid |
| CH ₃ | O-acyl | O | 4-N-acetyl-5-fluorocytosine | H | O-amino acid |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-fluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | O | 6-N-acetyl-2,8-difluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-aminoadenine | H | O-amino acid |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | O | 2-N-acetylaminoadenine | H | O-amino acid |
| CH ₃ | O-acyl | O | 2-N-acetyl-amino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | O | 2-N-acetyl-amino-8-fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | O | 2-N-acetylaminohypoxanthine | H | O-amino acid |
| CH ₃ | OH | O | Thymine | H | O-amino acid |
| CH ₃ | OH | O | Uracil | H | O-amino acid |
| CH ₃ | OH | O | Guanine | H | O-amino acid |
| CH ₃ | OH | O | Cytosine | H | O-amino acid |
| CH ₃ | OH | O | Adenine | H | O-amino acid |
| CH ₃ | OH | O | Hypoxanthine | H | O-amino acid |
| CH ₃ | OH | O | 5-Fluorouracil | H | O-amino acid |
| CH ₃ | OH | O | 8-Fluoroguanine | H | O-amino acid |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CH ₃ | OH | O | 5-Fluorocytosine | H | O-amino acid |
| CH ₃ | OH | O | 8-Fluoroadenine | H | O-amino acid |
| CH ₃ | OH | O | 2-Fluoroadenine | H | O-amino acid |
| CH ₃ | OH | O | 2,8-Difluoroadenine | H | O-amino acid |
| CH ₃ | OH | O | 2-Fluorohypoxanthine | H | O-amino acid |
| CH ₃ | OH | O | 8-Fluorohypoxanthine | H | O-amino acid |
| CH ₃ | OH | O | 2,8-Difluorohypoxanthine | H | O-amino acid |
| CH ₃ | OH | O | 2-Aminoadenine | H | O-amino acid |
| CH ₃ | OH | O | 2-Amino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | OH | O | 2-Amino-8-fluorohypoxanthine | H | O-amino acid |
| CH ₃ | OH | O | 2-Aminohypoxanthine | H | O-amino acid |
| CH ₃ | OH | O | 2-N-acetylguanine | H | O-amino acid |
| CH ₃ | OH | O | 4-N-acetylcytosine | H | O-amino acid |
| CH ₃ | OH | O | 6-N-acetyladenine | H | O-amino acid |
| CH ₃ | OH | O | 2-N-acetyl-8-fluoroguanine | H | O-amino acid |
| CH ₃ | OH | O | 4-N-acetyl-5-fluorocytosine | H | O-amino acid |
| CH ₃ | OH | O | 6-N-acetyl-2-fluoroadenine | H | O-amino acid |
| CH ₃ | OH | O | 6-N-acetyl-2,8-difluoroadenine | H | O-amino acid |
| CH ₃ | OH | O | 6-N-acetyl-2-aminoadenine | H | O-amino acid |
| CH ₃ | OH | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | OH | O | 2-N-acetylaminoadenine | H | O-amino acid |
| CH ₃ | OH | O | 2-N-acetyl-amino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | OH | O | 2-N-acetyl-amino-8-fluorohypoxanthine | H | O-amino acid |
| CH ₃ | OH | O | 2-N-acetylaminohypoxanthine | H | O-amino acid |
| CH ₃ | H | O | Thymine | OH | O-amino acid |
| CH ₃ | H | O | Uracil | OH | O-amino acid |
| CH ₃ | H | O | Guanine | OH | O-amino acid |
| CH ₃ | H | O | Cytosine | OH | O-amino acid |
| CH ₃ | H | O | Adenine | OH | O-amino acid |
| CH ₃ | H | O | Hypoxanthine | OH | O-amino acid |
| CH ₃ | H | O | 5-Fluorouracil | OH | O-amino acid |
| CH ₃ | H | O | 8-Fluoroguanine | OH | O-amino acid |
| CH ₃ | H | O | 5-Fluorocytosine | OH | O-amino acid |
| CH ₃ | H | O | 8-Fluoroadenine | OH | O-amino acid |
| CH ₃ | H | O | 2-Fluoroadenine | OH | O-amino acid |
| CH ₃ | H | O | 2,8-Difluoroadenine | OH | O-amino acid |
| CH ₃ | H | O | 2-Fluorohypoxanthine | OH | O-amino acid |
| CH ₃ | H | O | 8-Fluorohypoxanthine | OH | O-amino acid |
| CH ₃ | H | O | 2,8-Difluorohypoxanthine | OH | O-amino acid |
| CH ₃ | H | O | 2-Aminoadenine | OH | O-amino acid |
| CH ₃ | H | O | 2-Amino-8-fluoroadenine | OH | O-amino acid |
| CH ₃ | H | O | 2-Amino-8-fluorohypoxanthine | OH | O-amino acid |
| CH ₃ | H | O | 2-Aminohypoxanthine | OH | O-amino acid |
| CH ₃ | H | O | 2-N-acetylguanine | OH | O-amino acid |
| CH ₃ | H | O | 4-N-acetylcytosine | OH | O-amino acid |
| CH ₃ | H | O | 6-N-acetyladenine | OH | O-amino acid |
| CH ₃ | H | O | 2-N-acetyl-8-fluoroguanine | OH | O-amino acid |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CH ₃ | H | O | 4-N-acetyl-5-fluorocytosine | OH | O-amino acid |
| CH ₃ | H | O | 6-N-acetyl-2-fluoroadenine | OH | O-amino acid |
| CH ₃ | H | O | 6-N-acetyl-2,8-difluoroadenine | OH | O-amino acid |
| CH ₃ | H | O | 6-N-acetyl-2-aminoadenine | OH | O-amino acid |
| CH ₃ | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | OH | O-amino acid |
| CH ₃ | H | O | 2-N-acetylaminoadenine | OH | O-amino acid |
| CH ₃ | H | O | 2-N-acetyl-amino-8-fluoroadenine | OH | O-amino acid |
| CH ₃ | H | O | 2-N-acetyl-amino-8-fluorohypoxanthine | OH | O-amino acid |
| CH ₃ | H | O | 2-N-acetylaminohypoxanthine | OH | OH |
| CH ₃ | O-amino acid | O | Thymine | F | OH |
| CH ₃ | O-amino acid | O | Uracil | F | OH |
| CH ₃ | O-amino acid | O | Guanine | F | OH |
| CH ₃ | O-amino acid | O | Cytosine | F | OH |
| CH ₃ | O-amino acid | O | Adenine | F | OH |
| CH ₃ | O-amino acid | O | Hypoxanthine | F | OH |
| CH ₃ | O-amino acid | O | 5-Fluorouracil | F | OH |
| CH ₃ | O-amino acid | O | 8-Fluoroguanine | F | OH |
| CH ₃ | O-amino acid | O | 5-Fluorocytosine | F | OH |
| CH ₃ | O-amino acid | O | 8-Fluoroadenine | F | OH |
| CH ₃ | O-amino acid | O | 2-Fluoroadenine | F | OH |
| CH ₃ | O-amino acid | O | 2,8-Difluoroadenine | F | OH |
| CH ₃ | O-amino acid | O | 2-Fluorohypoxanthine | F | OH |
| CH ₃ | O-amino acid | O | 8-Fluorohypoxanthine | F | OH |
| CH ₃ | O-amino acid | O | 2,8-Difluorohypoxanthine | F | OH |
| CH ₃ | O-amino acid | O | 2-Aminoadenine | F | OH |
| CH ₃ | O-amino acid | O | 2-Amino-8-fluoroadenine | F | OH |
| CH ₃ | O-amino acid | O | 2-Amino-8-fluorohypoxanthine | F | OH |
| CH ₃ | O-amino acid | O | 2-Aminohypoxanthine | F | OH |
| CH ₃ | O-amino acid | O | 2-N-acetylguanine | F | OH |
| CH ₃ | O-amino acid | O | 4-N-acetylcytosine | F | OH |
| CH ₃ | O-amino acid | O | 6-N-acetyl-adenine | F | OH |
| CH ₃ | O-amino acid | O | 2-N-acetyl-8-fluoroguanine | F | OH |
| CH ₃ | O-amino acid | O | 4-N-acetyl-5-fluorocytosine | F | OH |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-fluoroadenine | F | OH |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2,8-difluoroadenine | F | OH |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-aminoadenine | F | OH |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | OH |
| CH ₃ | O-amino acid | O | 2-N-acetylaminoadenine | F | OH |
| CH ₃ | O-amino acid | O | 2-N-acetyl-amino-8-fluoroadenine | F | OH |
| CH ₃ | O-amino acid | O | 2-N-acetyl-amino-8-fluorohypoxanthine | F | OH |
| CH ₃ | O-amino acid | O | 2-N-acetylaminohypoxanthine | F | OH |
| CH ₃ | O-acyl | O | Thymine | F | OH |
| CH ₃ | O-acyl | O | Uracil | F | OH |
| CH ₃ | O-acyl | O | Guanine | F | OH |
| CH ₃ | O-acyl | O | Cytosine | F | OH |
| CH ₃ | O-acyl | O | Adenine | F | OH |
| CH ₃ | O-acyl | O | Hypoxanthine | F | OH |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CH ₃ | O-acyl | O | 5-Fluorouracil | F | OH |
| CH ₃ | O-acyl | O | 8-Fluoroguanine | F | OH |
| CH ₃ | O-acyl | O | 5-Fluorocytosine | F | OH |
| CH ₃ | O-acyl | O | 8-Fluoroadenine | F | OH |
| CH ₃ | O-acyl | O | 2-Fluoroadenine | F | OH |
| CH ₃ | O-acyl | O | 2,8-Difluoroadenine | F | OH |
| CH ₃ | O-acyl | O | 2-Fluorohypoxanthine | F | OH |
| CH ₃ | O-acyl | O | 8-Fluorohypoxanthine | F | OH |
| CH ₃ | O-acyl | O | 2,8-Difluorohypoxanthine | F | OH |
| CH ₃ | O-acyl | O | 2-Aminoadenine | F | OH |
| CH ₃ | O-acyl | O | 2-Amino-8-fluoroadenine | F | OH |
| CH ₃ | O-acyl | O | 2-Amino-8-fluorohypoxanthine | F | OH |
| CH ₃ | O-acyl | O | 2-Aminohypoxanthine | F | OH |
| CH ₃ | O-acyl | O | 2-N-acetylguanine | F | OH |
| CH ₃ | O-acyl | O | 4-N-acetylcytosine | F | OH |
| CH ₃ | O-acyl | O | 6-N-acetyladenine | F | OH |
| CH ₃ | O-acyl | O | 2-N-acetyl-8-fluoroguanine | F | OH |
| CH ₃ | O-acyl | O | 4-N-acetyl-5-fluorocytosine | F | OH |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-fluoroadenine | F | OH |
| CH ₃ | O-acyl | O | 6-N-acetyl-2,8-difluoroadenine | F | OH |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-aminoadenine | F | OH |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | OH |
| CH ₃ | O-acyl | O | 2-N-acetylaminoadenine | F | OH |
| CH ₃ | O-acyl | O | 2-N-acetyl-amino-8-fluoroadenine | F | OH |
| CH ₃ | O-acyl | O | 2-N-acetyl-amino-8-fluorohypoxanthine | F | OH |
| CH ₃ | O-acyl | O | 2-N-acetylaminohypoxanthine | F | OH |
| CH ₃ | O-amino acid | O | Thymine | Br | OH |
| CH ₃ | O-amino acid | O | Uracil | Br | OH |
| CH ₃ | O-amino acid | O | Guanine | Br | OH |
| CH ₃ | O-amino acid | O | Cytosine | Br | OH |
| CH ₃ | O-amino acid | O | Adenine | Br | OH |
| CH ₃ | O-amino acid | O | Hypoxanthine | Br | OH |
| CH ₃ | O-amino acid | O | 5-Fluorouracil | Br | OH |
| CH ₃ | O-amino acid | O | 8-Fluoroguanine | Br | OH |
| CH ₃ | O-amino acid | O | 5-Fluorocytosine | Br | OH |
| CH ₃ | O-amino acid | O | 8-Fluoroadenine | Br | OH |
| CH ₃ | O-amino acid | O | 2-Fluoroadenine | Br | OH |
| CH ₃ | O-amino acid | O | 2,8-Difluoroadenine | Br | OH |
| CH ₃ | O-amino acid | O | 2-Fluorohypoxanthine | Br | OH |
| CH ₃ | O-amino acid | O | 8-Fluorohypoxanthine | Br | OH |
| CH ₃ | O-amino acid | O | 2,8-Difluorohypoxanthine | Br | OH |
| CH ₃ | O-amino acid | O | 2-Aminoadenine | Br | OH |
| CH ₃ | O-amino acid | O | 2-Amino-8-fluoroadenine | Br | OH |
| CH ₃ | O-amino acid | O | 2-Amino-8-fluorohypoxanthine | Br | OH |
| CH ₃ | O-amino acid | O | 2-Aminohypoxanthine | Br | OH |
| CH ₃ | O-amino acid | O | 2-N-acetylguanine | Br | OH |
| CH ₃ | O-amino acid | O | 4-N-acetylcytosine | Br | OH |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|------------------------------------|----------------|----------------|
| CH ₃ | O-amino acid | O | 6-N-acetyladenine | Br | OH |
| CH ₃ | O-amino acid | O | 2-N-acetyl-8-fluoroguanine | Br | OH |
| CH ₃ | O-amino acid | O | 4-N-acetyl-5-fluorocytosine | Br | OH |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-fluoroadenine | Br | OH |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2,8-difluoroadenine | Br | OH |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-aminoadenine | Br | OH |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | OH |
| CH ₃ | O-amino acid | O | 2-N-acetylaminoadenine | Br | OH |
| CH ₃ | O-amino acid | O | 2-N-acetyl-amino-8-fluoroadenine | Br | OH |
| CH ₃ | O-amino acid | O | 2-N-acetylaminoadenine | Br | OH |
| CH ₃ | O-amino acid | O | 2-N-acetylaminohypoxanthine | Br | OH |
| CH ₃ | O-amino acid | O | 2-N-acetylaminohypoxanthine | Br | OH |
| CH ₃ | O-acyl | O | Thymine | Br | OH |
| CH ₃ | O-acyl | O | Uracil | Br | OH |
| CH ₃ | O-acyl | O | Guanine | Br | OH |
| CH ₃ | O-acyl | O | Cytosine | Br | OH |
| CH ₃ | O-acyl | O | Adenine | Br | OH |
| CH ₃ | O-acyl | O | Hypoxanthine | Br | OH |
| CH ₃ | O-acyl | O | 5-Fluorouracil | Br | OH |
| CH ₃ | O-acyl | O | 8-Fluoroguanine | Br | OH |
| CH ₃ | O-acyl | O | 5-Fluorocytosine | Br | OH |
| CH ₃ | O-acyl | O | 8-Fluoroadenine | Br | OH |
| CH ₃ | O-acyl | O | 2-Fluoroadenine | Br | OH |
| CH ₃ | O-acyl | O | 2,8-Difluoroadenine | Br | OH |
| CH ₃ | O-acyl | O | 2-Fluorohypoxanthine | Br | OH |
| CH ₃ | O-acyl | O | 8-Fluorohypoxanthine | Br | OH |
| CH ₃ | O-acyl | O | 2,8-Difluorohypoxanthine | Br | OH |
| CH ₃ | O-acyl | O | 2-Aminoadenine | Br | OH |
| CH ₃ | O-acyl | O | 2-Amino-8-fluoroadenine | Br | OH |
| CH ₃ | O-acyl | O | 2-Amino-8-fluorohypoxanthine | Br | OH |
| CH ₃ | O-acyl | O | 2-Aminohypoxanthine | Br | OH |
| CH ₃ | O-acyl | O | 2-N-acetylguanine | Br | OH |
| CH ₃ | O-acyl | O | 4-N-acetylcytosine | Br | OH |
| CH ₃ | O-acyl | O | 6-N-acetyladenine | Br | OH |
| CH ₃ | O-acyl | O | 2-N-acetyl-8-fluoroguanine | Br | OH |
| CH ₃ | O-acyl | O | 4-N-acetyl-5-fluorocytosine | Br | OH |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-fluoroadenine | Br | OH |
| CH ₃ | O-acyl | O | 6-N-acetyl-2,8-difluoroadenine | Br | OH |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-aminoadenine | Br | OH |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | OH |
| CH ₃ | O-acyl | O | 2-N-acetylaminoadenine | Br | OH |
| CH ₃ | O-acyl | O | 2-N-acetyl-amino-8-fluoroadenine | Br | OH |
| CH ₃ | O-acyl | O | 2-N-acetylaminohypoxanthine | Br | OH |
| CH ₃ | O-acyl | O | 2-N-acetylaminohypoxanthine | Br | OH |
| CH ₃ | O-amino acid | O | Thymine | Cl | OH |
| CH ₃ | O-amino acid | O | Uracil | Cl | OH |
| CH ₃ | O-amino acid | O | Guanine | Cl | OH |
| CH ₃ | O-amino acid | O | Cytosine | Cl | OH |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CH ₃ | O-amino acid | O | Adenine | Cl | OH |
| CH ₃ | O-amino acid | O | Hypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | O | 5-Fluorouracil | Cl | OH |
| CH ₃ | O-amino acid | O | 8-Fluoroguanine | Cl | OH |
| CH ₃ | O-amino acid | O | 5-Fluorocytosine | Cl | OH |
| CH ₃ | O-amino acid | O | 8-Fluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | O | 2-Fluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | O | 2,8-Difluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | O | 2-Fluorohypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | O | 8-Fluorohypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | O | 2,8-Difluorohypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | O | 2-Aminoadenine | Cl | OH |
| CH ₃ | O-amino acid | O | 2-Amino-8-fluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | O | 2-Amino-8-fluorohypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | O | 2-Aminohypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | O | 2-N-acetylguanine | Cl | OH |
| CH ₃ | O-amino acid | O | 4-N-acetylcytosine | Cl | OH |
| CH ₃ | O-amino acid | O | 6-N-acetyladenine | Cl | OH |
| CH ₃ | O-amino acid | O | 2-N-acetyl-8-fluoroguanine | Cl | OH |
| CH ₃ | O-amino acid | O | 4-N-acetyl-5-fluorocytosine | Cl | OH |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-fluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2,8-difluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-aminoadenine | Cl | OH |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | O | 2-N-acetylaminoadenine | Cl | OH |
| CH ₃ | O-amino acid | O | 2-N-acetyl-amino-8-fluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | O | 2-N-acetylaminohypoxanthine | Cl | OH |
| CH ₃ | O-acyl | O | Thymine | Cl | OH |
| CH ₃ | O-acyl | O | Uracil | Cl | OH |
| CH ₃ | O-acyl | O | Guanine | Cl | OH |
| CH ₃ | O-acyl | O | Cytosine | Cl | OH |
| CH ₃ | O-acyl | O | Adenine | Cl | OH |
| CH ₃ | O-acyl | O | Hypoxanthine | Cl | OH |
| CH ₃ | O-acyl | O | 5-Fluorouracil | Cl | OH |
| CH ₃ | O-acyl | O | 8-Fluoroguanine | Cl | OH |
| CH ₃ | O-acyl | O | 5-Fluorocytosine | Cl | OH |
| CH ₃ | O-acyl | O | 8-Fluoroadenine | Cl | OH |
| CH ₃ | O-acyl | O | 2-Fluoroadenine | Cl | OH |
| CH ₃ | O-acyl | O | 2,8-Difluoroadenine | Cl | OH |
| CH ₃ | O-acyl | O | 2-Fluorohypoxanthine | Cl | OH |
| CH ₃ | O-acyl | O | 8-Fluorohypoxanthine | Cl | OH |
| CH ₃ | O-acyl | O | 2,8-Difluorohypoxanthine | Cl | OH |
| CH ₃ | O-acyl | O | 2-Aminoadenine | Cl | OH |
| CH ₃ | O-acyl | O | 2-Amino-8-fluoroadenine | Cl | OH |
| CH ₃ | O-acyl | O | 2-Amino-8-fluorohypoxanthine | Cl | OH |
| CH ₃ | O-acyl | O | 2-Aminohypoxanthine | Cl | OH |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CH ₃ | O-acyl | O | 2-N-acetylguanine | Cl | OH |
| CH ₃ | O-acyl | O | 4-N-acetylcytosine | Cl | OH |
| CH ₃ | O-acyl | O | 6-N-acetyladenine | Cl | OH |
| CH ₃ | O-acyl | O | 2-N-acetyl-8-fluoroguanine | Cl | OH |
| CH ₃ | O-acyl | O | 4-N-acetyl-5-fluorocytosine | Cl | OH |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-fluoroadenine | Cl | OH |
| CH ₃ | O-acyl | O | 6-N-acetyl-2,8-difluoroadenine | Cl | OH |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-aminoadenine | Cl | OH |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | OH |
| CH ₃ | O-acyl | O | 2-N-acetylaminoadenine | Cl | OH |
| CH ₃ | O-acyl | O | 2-N-acetylamino-8-fluoroadenine | Cl | OH |
| CH ₃ | O-acyl | O | 2-N-acetylamino-8-fluorohypoxanthine | Cl | OH |
| CH ₃ | O-acyl | O | 2-N-acetylaminohypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | O | Thymine | H | OH |
| CH ₃ | O-amino acid | O | Uracil | H | OH |
| CH ₃ | O-amino acid | O | Guanine | H | OH |
| CH ₃ | O-amino acid | O | Cytosine | H | OH |
| CH ₃ | O-amino acid | O | Adenine | H | OH |
| CH ₃ | O-amino acid | O | Hypoxanthine | H | OH |
| CH ₃ | O-amino acid | O | 5-Fluorouracil | H | OH |
| CH ₃ | O-amino acid | O | 8-Fluoroguanine | H | OH |
| CH ₃ | O-amino acid | O | 5-Fluorocytosine | H | OH |
| CH ₃ | O-amino acid | O | 8-Fluoroadenine | H | OH |
| CH ₃ | O-amino acid | O | 2-Fluoroadenine | H | OH |
| CH ₃ | O-amino acid | O | 2,8-Difluoroadenine | H | OH |
| CH ₃ | O-amino acid | O | 2-Fluorohypoxanthine | H | OH |
| CH ₃ | O-amino acid | O | 8-Fluorohypoxanthine | H | OH |
| CH ₃ | O-amino acid | O | 2,8-Difluorohypoxanthine | H | OH |
| CH ₃ | O-amino acid | O | 2-Aminoadenine | H | OH |
| CH ₃ | O-amino acid | O | 2-Amino-8-fluoroadenine | H | OH |
| CH ₃ | O-amino acid | O | 2-Amino-8-fluorohypoxanthine | H | OH |
| CH ₃ | O-amino acid | O | 2-Aminohypoxanthine | H | OH |
| CH ₃ | O-amino acid | O | 2-N-acetylguanine | H | OH |
| CH ₃ | O-amino acid | O | 4-N-acetylcytosine | H | OH |
| CH ₃ | O-amino acid | O | 6-N-acetyladenine | H | OH |
| CH ₃ | O-amino acid | O | 2-N-acetyl-8-fluoroguanine | H | OH |
| CH ₃ | O-amino acid | O | 4-N-acetyl-5-fluorocytosine | H | OH |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-fluoroadenine | H | OH |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2,8-difluoroadenine | H | OH |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-aminoadenine | H | OH |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | OH |
| CH ₃ | O-amino acid | O | 2-N-acetylaminoadenine | H | OH |
| CH ₃ | O-amino acid | O | 2-N-acetylamino-8-fluoroadenine | H | OH |
| CH ₃ | O-amino acid | O | 2-N-acetylamino-8-fluorohypoxanthine | H | OH |
| CH ₃ | O-amino acid | O | 2-N-acetylaminohypoxanthine | H | OH |
| CH ₃ | O-acyl | O | Thymine | H | OH |
| CH ₃ | O-acyl | O | Uracil | H | OH |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CH ₃ | O-acyl | O | Guanine | H | OH |
| CH ₃ | O-acyl | O | Cytosine | H | OH |
| CH ₃ | O-acyl | O | Adenine | H | OH |
| CH ₃ | O-acyl | O | Hypoxanthine | H | OH |
| CH ₃ | O-acyl | O | 5-Fluorouracil | H | OH |
| CH ₃ | O-acyl | O | 8-Fluoroguanine | H | OH |
| CH ₃ | O-acyl | O | 5-Fluorocytosine | H | OH |
| CH ₃ | O-acyl | O | 8-Fluoroadenine | H | OH |
| CH ₃ | O-acyl | O | 2-Fluoroadenine | H | OH |
| CH ₃ | O-acyl | O | 2,8-Difluoroadenine | H | OH |
| CH ₃ | O-acyl | O | 2-Fluorohypoxanthine | H | OH |
| CH ₃ | O-acyl | O | 8-Fluorohypoxanthine | H | OH |
| CH ₃ | O-acyl | O | 2,8-Difluorohypoxanthine | H | OH |
| CH ₃ | O-acyl | O | 2-Aminoadenine | H | OH |
| CH ₃ | O-acyl | O | 2-Amino-8-fluoroadenine | H | OH |
| CH ₃ | O-acyl | O | 2-Amino-8-fluorohypoxanthine | H | OH |
| CH ₃ | O-acyl | O | 2-Aminohypoxanthine | H | OH |
| CH ₃ | O-acyl | O | 2-N-acetylguanine | H | OH |
| CH ₃ | O-acyl | O | 4-N-acetylcytosine | H | OH |
| CH ₃ | O-acyl | O | 6-N-acetyladenine | H | OH |
| CH ₃ | O-acyl | O | 2-N-acetyl-8-fluoroguanine | H | OH |
| CH ₃ | O-acyl | O | 4-N-acetyl-5-fluorocytosine | H | OH |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-fluoroadenine | H | OH |
| CH ₃ | O-acyl | O | 6-N-acetyl-2,8-difluoroadenine | H | OH |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-aminoadenine | H | OH |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | OH |
| CH ₃ | O-acyl | O | 2-N-acetylaminoadenine | H | OH |
| CH ₃ | O-acyl | O | 2-N-acetylamino-8-fluoroadenine | H | OH |
| CH ₃ | O-acyl | O | 2-N-acetylamino-8-fluorohypoxanthine | H | OH |
| CH ₃ | O-acyl | O | 2-N-acetylaminohypoxanthine | H | H |
| CH ₃ | O-amino acid | O | Thymine | O-amino acid | H |
| CH ₃ | O-amino acid | O | Uracil | O-amino acid | H |
| CH ₃ | O-amino acid | O | Guanine | O-amino acid | H |
| CH ₃ | O-amino acid | O | Cytosine | O-amino acid | H |
| CH ₃ | O-amino acid | O | Adenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | Hypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 5-Fluorouracil | O-amino acid | H |
| CH ₃ | O-amino acid | O | 8-Fluoroguanine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 5-Fluorocytosine | O-amino acid | H |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CH ₃ | O-amino acid | O | 8-Fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-Fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2,8-Difluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-Fluorohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 8-Fluorohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2,8-Difluorohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-Aminoadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-Amino-8-fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-Amino-8-fluorohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-Aminohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-N-acetylguanine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 4-N-acetylcytosine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 6-N-acetyladenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-N-acetyl-8-fluoroguanine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 4-N-acetyl-5-fluorocytosine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2,8-difluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-aminoadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-amino-8-fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-N-acetylaminoadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-N-acetylamino-8-fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-N-acetylamino-8-fluorohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-N-acetylaminohypoxanthine | O-amino acid | H |
| CH ₃ | O-acyl | O | Thymine | O-acyl | H |
| CH ₃ | O-acyl | O | Uracil | O-acyl | H |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CH ₃ | O-acyl | O | Guanine | O-acyl | H |
| CH ₃ | O-acyl | O | Cytosine | O-acyl | H |
| CH ₃ | O-acyl | O | Adenine | O-acyl | H |
| CH ₃ | O-acyl | O | Hypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | O | 5-Fluorouracil | O-acyl | H |
| CH ₃ | O-acyl | O | 8-Fluoroguanine | O-acyl | H |
| CH ₃ | O-acyl | O | 5-Fluorocytosine | O-acyl | H |
| CH ₃ | O-acyl | O | 8-Fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-Fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 2,8-Difluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-Fluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | O | 8-Fluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | O | 2,8-Difluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-Aminoadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-Amino-8-fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-Amino-8-fluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-Aminohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-N-acetylguanine | O-acyl | H |
| CH ₃ | O-acyl | O | 4-N-acetylcytosine | O-acyl | H |
| CH ₃ | O-acyl | O | 6-N-acetyladenine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-N-acetyl-8-fluoroguanine | O-acyl | H |
| CH ₃ | O-acyl | O | 4-N-acetyl-5-fluorocytosine | O-acyl | H |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 6-N-acetyl-2,8-difluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-aminoadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-amino-8-fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-N-acetylaminoadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-N-acetylamino-8-fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-N-acetylamino-8-fluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-N-acetylaminohypoxanthine | O-acyl | H |
| CH ₃ | O-amino acid | O | Thymine | O-amino acid | H |
| CH ₃ | O-amino acid | O | Uracil | O-amino acid | H |
| CH ₃ | O-amino acid | O | Guanine | O-amino acid | H |
| CH ₃ | O-amino acid | O | Cytosine | O-amino acid | H |
| CH ₃ | O-amino acid | O | Adenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | Hypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 5-Fluorouracil | O-amino acid | H |
| CH ₃ | O-amino acid | O | 8-Fluoroguanine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 5-Fluorocytosine | O-amino acid | H |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CH ₃ | O-amino acid | O | 8-Fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-Fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2,8-Difluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-Fluorohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 8-Fluorohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2,8-Difluorohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-Aminoadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-Amino-8-fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-Amino-8-fluorohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-Aminohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-N-acetylguanine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 4-N-acetylcytosine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 6-N-acetyladenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-N-acetyl-8-fluoroguanine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 4-N-acetyl-5-fluorocytosine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2,8-difluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-aminoadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-amino-8-fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-N-acetylaminoadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-N-acetyl-amino-8-fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-N-acetyl-amino-8-fluorohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-N-acetylaminohypoxanthine | O-amino acid | H |
| CH ₃ | O-acyl | O | Thymine | O-acyl | H |
| CH ₃ | O-acyl | O | Uracil | O-acyl | H |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CH ₃ | O-acyl | O | Guanine | O-acyl | H |
| CH ₃ | O-acyl | O | Cytosine | O-acyl | H |
| CH ₃ | O-acyl | O | Adenine | O-acyl | H |
| CH ₃ | O-acyl | O | Hypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | O | 5-Fluorouracil | O-acyl | H |
| CH ₃ | O-acyl | O | 8-Fluoroguanine | O-acyl | H |
| CH ₃ | O-acyl | O | 5-Fluorocytosine | O-acyl | H |
| CH ₃ | O-acyl | O | 8-Fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-Fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 2,8-Difluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-Fluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | O | 8-Fluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | O | 2,8-Difluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-Aminoadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-Amino-8-fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-Amino-8-fluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-Aminohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-N-acetylguanine | O-acyl | H |
| CH ₃ | O-acyl | O | 4-N-acetylcytosine | O-acyl | H |
| CH ₃ | O-acyl | O | 6-N-acetyladenine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-N-acetyl-8-fluoroguanine | O-acyl | H |
| CH ₃ | O-acyl | O | 4-N-acetyl-5-fluorocytosine | O-acyl | H |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 6-N-acetyl-2,8-difluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-aminoadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-amino-8-fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-N-acetylaminoadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-N-acetylamino-8-fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-N-acetylamino-8-fluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-N-acetylaminohypoxanthine | O-acyl | H |
| CH ₃ | O-amino acid | O | Thymine | O-amino acid | H |
| CH ₃ | O-amino acid | O | Uracil | O-amino acid | H |
| CH ₃ | O-amino acid | O | Guanine | O-amino acid | H |
| CH ₃ | O-amino acid | O | Cytosine | O-amino acid | H |
| CH ₃ | O-amino acid | O | Adenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | Hypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 5-Fluorouracil | O-amino acid | H |
| CH ₃ | O-amino acid | O | 8-Fluoroguanine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 5-Fluorocytosine | O-amino acid | H |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CH ₃ | O-amino acid | O | 8-Fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-Fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2,8-Difluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-Fluorohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 8-Fluorohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2,8-Difluorohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-Aminoadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-Amino-8-fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-Amino-8-fluorohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-Aminohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-N-acetylguanine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 4-N-acetylcytosine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 6-N-acetyladenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-N-acetyl-8-fluoroguanine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 4-N-acetyl-5-fluorocytosine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2,8-difluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-aminoadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-amino-8-fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-N-acetylaminoadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-N-acetylamino-8-fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-N-acetylamino-8-fluorohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-N-acetylaminohypoxanthine | O-amino acid | H |
| CH ₃ | O-acyl | O | Thymine | O-acyl | H |
| CH ₃ | O-acyl | O | Uracil | O-acyl | H |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CH ₃ | O-acyl | O | Guanine | O-acyl | H |
| CH ₃ | O-acyl | O | Cytosine | O-acyl | H |
| CH ₃ | O-acyl | O | Adenine | O-acyl | H |
| CH ₃ | O-acyl | O | Hypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | O | 5-Fluorouracil | O-acyl | H |
| CH ₃ | O-acyl | O | 8-Fluoroguanine | O-acyl | H |
| CH ₃ | O-acyl | O | 5-Fluorocytosine | O-acyl | H |
| CH ₃ | O-acyl | O | 8-Fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-Fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 2,8-Difluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-Fluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | O | 8-Fluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | O | 2,8-Difluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-Aminoadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-Amino-8-fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-Amino-8-fluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-Aminohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-N-acetylguanine | O-acyl | H |
| CH ₃ | O-acyl | O | 4-N-acetylcytosine | O-acyl | H |
| CH ₃ | O-acyl | O | 6-N-acetyladenine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-N-acetyl-8-fluoroguanine | O-acyl | H |
| CH ₃ | O-acyl | O | 4-N-acetyl-5-fluorocytosine | O-acyl | H |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 6-N-acetyl-2,8-difluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-aminoadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-amino-8-fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-N-acetylaminoadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-N-acetylamino-8-fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-N-acetylamino-8-fluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-N-acetylaminohypoxanthine | O-acyl | H |
| CH ₃ | O-amino acid | O | Thymine | O-amino acid | H |
| CH ₃ | O-amino acid | O | Uracil | O-amino acid | H |
| CH ₃ | O-amino acid | O | Guanine | O-amino acid | H |
| CH ₃ | O-amino acid | O | Cytosine | O-amino acid | H |
| CH ₃ | O-amino acid | O | Adenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | Hypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 5-Fluorouracil | O-amino acid | H |
| CH ₃ | O-amino acid | O | 8-Fluoroguanine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 5-Fluorocytosine | O-amino acid | H |

| R⁶ | R⁷ | X | Base | R⁸ | R⁹ |
|----------------------|----------------------|----------|--------------------------------------|----------------------|----------------------|
| CH ₃ | O-amino acid | O | 8-Fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-Fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2,8-Difluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-Fluorohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 8-Fluorohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2,8-Difluorohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-Aminoadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-Amino-8-fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-Amino-8-fluorohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-Aminohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-N-acetylguanine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 4-N-acetylcytosine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 6-N-acetyladenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-N-acetyl-8-fluoroguanine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 4-N-acetyl-5-fluorocytosine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2,8-difluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-aminoadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-amino-8-fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-N-acetylaminoadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-N-acetylamino-8-fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-N-acetylamino-8-fluorohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-N-acetylaminohypoxanthine | O-amino acid | H |
| CH ₃ | O-acyl | O | Thymine | O-acyl | H |
| CH ₃ | O-acyl | O | Uracil | O-acyl | H |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CH ₃ | O-acyl | O | Guanine | O-acyl | H |
| CH ₃ | O-acyl | O | Cytosine | O-acyl | H |
| CH ₃ | O-acyl | O | Adenine | O-acyl | H |
| CH ₃ | O-acyl | O | Hypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | O | 5-Fluorouracil | O-acyl | H |
| CH ₃ | O-acyl | O | 8-Fluoroguanine | O-acyl | H |
| CH ₃ | O-acyl | O | 5-Fluorocytosine | O-acyl | H |
| CH ₃ | O-acyl | O | 8-Fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-Fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 2,8-Difluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-Fluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | O | 8-Fluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | O | 2,8-Difluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-Aminoadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-Amino-8-fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-Amino-8-fluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-Aminohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-N-acetylguanine | O-acyl | H |
| CH ₃ | O-acyl | O | 4-N-acetylcytosine | O-acyl | H |
| CH ₃ | O-acyl | O | 6-N-acetyladenine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-N-acetyl-8-fluoroguanine | O-acyl | H |
| CH ₃ | O-acyl | O | 4-N-acetyl-5-fluorocytosine | O-acyl | H |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 6-N-acetyl-2,8-difluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-aminoadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-amino-8-fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-N-acetylaminoadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-N-acetylamino-8-fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-N-acetylamino-8-fluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-N-acetylaminohypoxanthine | O-acyl | H |
| CH ₃ | O-amino acid | O | Thymine | O-amino acid | H |
| CH ₃ | O-amino acid | O | Uracil | O-amino acid | H |
| CH ₃ | O-amino acid | O | Guanine | O-amino acid | H |
| CH ₃ | O-amino acid | O | Cytosine | O-amino acid | H |
| CH ₃ | O-amino acid | O | Adenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | Hypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 5-Fluorouracil | O-amino acid | H |
| CH ₃ | O-amino acid | O | 8-Fluoroguanine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 5-Fluorocytosine | O-amino acid | H |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CH ₃ | O-amino acid | O | 8-Fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-Fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2,8-Difluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-Fluorohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 8-Fluorohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2,8-Difluorohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-Aminoadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-Amino-8-fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-Amino-8-fluorohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-Aminohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-N-acetylguanine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 4-N-acetylcytosine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 6-N-acetyl原因 | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-N-acetyl-8-fluoroguanine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 4-N-acetyl-5-fluorocytosine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2,8-difluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-aminoadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 6-N-acetyl-2-amino-8-fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-N-acetylaminoadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-N-acetyl-amino-8-fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-N-acetyl-amino-8-fluorohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | O | 2-N-acetylaminohypoxanthine | O-amino acid | H |
| CH ₃ | O-acyl | O | Thymine | O-acyl | H |
| CH ₃ | O-acyl | O | Uracil | O-acyl | H |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CH ₃ | O-acyl | O | Guanine | O-acyl | H |
| CH ₃ | O-acyl | O | Cytosine | O-acyl | H |
| CH ₃ | O-acyl | O | Adenine | O-acyl | H |
| CH ₃ | O-acyl | O | Hypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | O | 5-Fluorouracil | O-acyl | H |
| CH ₃ | O-acyl | O | 8-Fluoroguanine | O-acyl | H |
| CH ₃ | O-acyl | O | 5-Fluorocytosine | O-acyl | H |
| CH ₃ | O-acyl | O | 8-Fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-Fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 2,8-Difluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-Fluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | O | 8-Fluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | O | 2,8-Difluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-Aminoadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-Amino-8-fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-Amino-8-fluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-Aminohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-N-acetylguanine | O-acyl | H |
| CH ₃ | O-acyl | O | 4-N-acetylcytosine | O-acyl | H |
| CH ₃ | O-acyl | O | 6-N-acetyladenine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-N-acetyl-8-fluoroguanine | O-acyl | H |
| CH ₃ | O-acyl | O | 4-N-acetyl-5-fluorocytosine | O-acyl | H |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 6-N-acetyl-2,8-difluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-aminoadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 6-N-acetyl-2-amino-8-fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-N-acetylaminoadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-N-acetyl-amino-8-fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-N-acetyl-amino-8-fluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | O | 2-N-acetylaminohypoxanthine | O-acyl | H |
| CF ₃ | H | O | Thymine | F | O-acyl |
| CF ₃ | H | O | Uracil | F | O-acyl |
| CF ₃ | H | O | Guanine | F | O-acyl |
| CF ₃ | H | O | Cytosine | F | O-acyl |
| CF ₃ | H | O | Adenine | F | O-acyl |
| CF ₃ | H | O | Hypoxanthine | F | O-acyl |
| CF ₃ | H | O | 5-Fluorouracil | F | O-acyl |
| CF ₃ | H | O | 8-Fluoroguanine | F | O-acyl |
| CF ₃ | H | O | 5-Fluorocytosine | F | O-acyl |
| CF ₃ | H | O | 8-Fluoroadenine | F | O-acyl |
| CF ₃ | H | O | 2-Fluoroadenine | F | O-acyl |
| CF ₃ | H | O | 2,8-Difluoroadenine | F | O-acyl |
| CF ₃ | H | O | 2-Fluorohypoxanthine | F | O-acyl |
| CF ₃ | H | O | 8-Fluorohypoxanthine | F | O-acyl |
| CF ₃ | H | O | 2,8-Difluorohypoxanthine | F | O-acyl |
| CF ₃ | H | O | 2-Aminoadenine | F | O-acyl |
| CF ₃ | H | O | 2-Amino-8-fluoroadenine | F | O-acyl |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CF ₃ | H | O | 2-Amino-8-fluorohypoxanthine | F | O-acyl |
| CF ₃ | H | O | 2-Aminohypoxanthine | F | O-acyl |
| CF ₃ | H | O | 2-N-acetylguanine | F | O-acyl |
| CF ₃ | H | O | 4-N-acetylcytosine | F | O-acyl |
| CF ₃ | H | O | 6-N-acetyladenine | F | O-acyl |
| CF ₃ | H | O | 2-N-acetyl-8-fluoroguanine | F | O-acyl |
| CF ₃ | H | O | 4-N-acetyl-5-fluorocytosine | F | O-acyl |
| CF ₃ | H | O | 6-N-acetyl-2-fluoroadenine | F | O-acyl |
| CF ₃ | H | O | 6-N-acetyl-2,8-difluoroadenine | F | O-acyl |
| CF ₃ | H | O | 6-N-acetyl-2-aminoadenine | F | O-acyl |
| CF ₃ | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-acyl |
| CF ₃ | H | O | 2-N-acetylaminoadenine | F | O-acyl |
| CF ₃ | H | O | 2-N-acetylamino-8-fluoroadenine | F | O-acyl |
| CF ₃ | H | O | 2-N-acetylamino-8-fluorohypoxanthine | F | O-acyl |
| CF ₃ | H | O | 2-N-acetylaminohypoxanthine | F | O-acyl |
| CF ₃ | O-amino acid | O | Thymine | F | O-acyl |
| CF ₃ | O-amino acid | O | Uracil | F | O-acyl |
| CF ₃ | O-amino acid | O | Guanine | F | O-acyl |
| CF ₃ | O-amino acid | O | Cytosine | F | O-acyl |
| CF ₃ | O-amino acid | O | Adenine | F | O-acyl |
| CF ₃ | O-amino acid | O | Hypoxanthine | F | O-acyl |
| CF ₃ | O-amino acid | O | 5-Fluorouracil | F | O-acyl |
| CF ₃ | O-amino acid | O | 8-Fluoroguanine | F | O-acyl |
| CF ₃ | O-amino acid | O | 5-Fluorocytosine | F | O-acyl |
| CF ₃ | O-amino acid | O | 8-Fluoroadenine | F | O-acyl |
| CF ₃ | O-amino acid | O | 2-Fluoroadenine | F | O-acyl |
| CF ₃ | O-amino acid | O | 2,8-Difluoroadenine | F | O-acyl |
| CF ₃ | O-amino acid | O | 2-Fluorohypoxanthine | F | O-acyl |
| CF ₃ | O-amino acid | O | 8-Fluorohypoxanthine | F | O-acyl |
| CF ₃ | O-amino acid | O | 2,8-Difluorohypoxanthine | F | O-acyl |
| CF ₃ | O-amino acid | O | 2-Aminoadenine | F | O-acyl |
| CF ₃ | O-amino acid | O | 2-Amino-8-fluoroadenine | F | O-acyl |
| CF ₃ | O-amino acid | O | 2-Amino-8-fluorohypoxanthine | F | O-acyl |
| CF ₃ | O-amino acid | O | 2-Aminohypoxanthine | F | O-acyl |
| CF ₃ | O-amino acid | O | 2-N-acetylguanine | F | O-acyl |
| CF ₃ | O-amino acid | O | 4-N-acetylcytosine | F | O-acyl |
| CF ₃ | O-amino acid | O | 6-N-acetyladenine | F | O-acyl |
| CF ₃ | O-amino acid | O | 2-N-acetyl-8-fluoroguanine | F | O-acyl |
| CF ₃ | O-amino acid | O | 4-N-acetyl-5-fluorocytosine | F | O-acyl |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-fluoroadenine | F | O-acyl |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2,8-difluoroadenine | F | O-acyl |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-aminoadenine | F | O-acyl |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-acyl |
| CF ₃ | O-amino acid | O | 2-N-acetylaminoadenine | F | O-acyl |
| CF ₃ | O-amino acid | O | 2-N-acetylamino-8-fluoroadenine | F | O-acyl |
| CF ₃ | O-amino acid | O | 2-N-acetylamino-8-fluorohypoxanthine | F | O-acyl |
| CF ₃ | O-amino acid | O | 2-N-acetylaminohypoxanthine | F | O-acyl |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CF ₃ | O-acyl | O | Thymine | F | O-acyl |
| CF ₃ | O-acyl | O | Uracil | F | O-acyl |
| CF ₃ | O-acyl | O | Guanine | F | O-acyl |
| CF ₃ | O-acyl | O | Cytosine | F | O-acyl |
| CF ₃ | O-acyl | O | Adenine | F | O-acyl |
| CF ₃ | O-acyl | O | Hypoxanthine | F | O-acyl |
| CF ₃ | O-acyl | O | 5-Fluorouracil | F | O-acyl |
| CF ₃ | O-acyl | O | 8-Fluoroguanine | F | O-acyl |
| CF ₃ | O-acyl | O | 5-Fluorocytosine | F | O-acyl |
| CF ₃ | O-acyl | O | 8-Fluoroadenine | F | O-acyl |
| CF ₃ | O-acyl | O | 2-Fluoroadenine | F | O-acyl |
| CF ₃ | O-acyl | O | 2,8-Difluoroadenine | F | O-acyl |
| CF ₃ | O-acyl | O | 2-Fluorohypoxanthine | F | O-acyl |
| CF ₃ | O-acyl | O | 8-Fluorohypoxanthine | F | O-acyl |
| CF ₃ | O-acyl | O | 2,8-Difluorohypoxanthine | F | O-acyl |
| CF ₃ | O-acyl | O | 2-Aminoadenine | F | O-acyl |
| CF ₃ | O-acyl | O | 2-Amino-8-fluoroadenine | F | O-acyl |
| CF ₃ | O-acyl | O | 2-Amino-8-fluorohypoxanthine | F | O-acyl |
| CF ₃ | O-acyl | O | 2-Aminohypoxanthine | F | O-acyl |
| CF ₃ | O-acyl | O | 2-N-acetylguanine | F | O-acyl |
| CF ₃ | O-acyl | O | 4-N-acetylcytosine | F | O-acyl |
| CF ₃ | O-acyl | O | 6-N-acetyladenine | F | O-acyl |
| CF ₃ | O-acyl | O | 2-N-acetyl-8-fluoroguanine | F | O-acyl |
| CF ₃ | O-acyl | O | 4-N-acetyl-5-fluorocytosine | F | O-acyl |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-fluoroadenine | F | O-acyl |
| CF ₃ | O-acyl | O | 6-N-acetyl-2,8-difluoroadenine | F | O-acyl |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-aminoadenine | F | O-acyl |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-acyl |
| CF ₃ | O-acyl | O | 2-N-acetylaminoadenine | F | O-acyl |
| CF ₃ | O-acyl | O | 2-N-acetylamino-8-fluoroadenine | F | O-acyl |
| CF ₃ | O-acyl | O | 2-N-acetylamino-8-fluorohypoxanthine | F | O-acyl |
| CF ₃ | O-acyl | O | 2-N-acetylaminohypoxanthine | F | O-acyl |
| CF ₃ | OH | O | Thymine | F | O-acyl |
| CF ₃ | OH | O | Uracil | F | O-acyl |
| CF ₃ | OH | O | Guanine | F | O-acyl |
| CF ₃ | OH | O | Cytosine | F | O-acyl |
| CF ₃ | OH | O | Adenine | F | O-acyl |
| CF ₃ | OH | O | Hypoxanthine | F | O-acyl |
| CF ₃ | OH | O | 5-Fluorouracil | F | O-acyl |
| CF ₃ | OH | O | 8-Fluoroguanine | F | O-acyl |
| CF ₃ | OH | O | 5-Fluorocytosine | F | O-acyl |
| CF ₃ | OH | O | 8-Fluoroadenine | F | O-acyl |
| CF ₃ | OH | O | 2-Fluoroadenine | F | O-acyl |
| CF ₃ | OH | O | 2,8-Difluoroadenine | F | O-acyl |
| CF ₃ | OH | O | 2-Fluorohypoxanthine | F | O-acyl |
| CF ₃ | OH | O | 8-Fluorohypoxanthine | F | O-acyl |
| CF ₃ | OH | O | 2,8-Difluorohypoxanthine | F | O-acyl |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CF ₃ | OH | O | 2-Aminoadenine | F | O-acyl |
| CF ₃ | OH | O | 2-Amino-8-fluoroadenine | F | O-acyl |
| CF ₃ | OH | O | 2-Amino-8-fluorohypoxanthine | F | O-acyl |
| CF ₃ | OH | O | 2-Aminohypoxanthine | F | O-acyl |
| CF ₃ | OH | O | 2-N-acetylguanine | F | O-acyl |
| CF ₃ | OH | O | 4-N-acetylcytosine | F | O-acyl |
| CF ₃ | OH | O | 6-N-acetyladenine | F | O-acyl |
| CF ₃ | OH | O | 2-N-acetyl-8-fluoroguanine | F | O-acyl |
| CF ₃ | OH | O | 4-N-acetyl-5-fluorocytosine | F | O-acyl |
| CF ₃ | OH | O | 6-N-acetyl-2-fluoroadenine | F | O-acyl |
| CF ₃ | OH | O | 6-N-acetyl-2,8-difluoroadenine | F | O-acyl |
| CF ₃ | OH | O | 6-N-acetyl-2-aminoadenine | F | O-acyl |
| CF ₃ | OH | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-acyl |
| CF ₃ | OH | O | 2-N-acetylaminoadenine | F | O-acyl |
| CF ₃ | OH | O | 2-N-acetylamino-8-fluoroadenine | F | O-acyl |
| CF ₃ | OH | O | 2-N-acetylamino-8-fluorohypoxanthine | F | O-acyl |
| CF ₃ | OH | O | 2-N-acetylaminohypoxanthine | F | O-acyl |
| CF ₃ | H | O | Thymine | Br | O-acyl |
| CF ₃ | H | O | Uracil | Br | O-acyl |
| CF ₃ | H | O | Guanine | Br | O-acyl |
| CF ₃ | H | O | Cytosine | Br | O-acyl |
| CF ₃ | H | O | Adenine | Br | O-acyl |
| CF ₃ | H | O | Hypoxanthine | Br | O-acyl |
| CF ₃ | H | O | 5-Fluorouracil | Br | O-acyl |
| CF ₃ | H | O | 8-Fluoroguanine | Br | O-acyl |
| CF ₃ | H | O | 5-Fluorocytosine | Br | O-acyl |
| CF ₃ | H | O | 8-Fluoroadenine | Br | O-acyl |
| CF ₃ | H | O | 2-Fluoroadenine | Br | O-acyl |
| CF ₃ | H | O | 2,8-Difluoroadenine | Br | O-acyl |
| CF ₃ | H | O | 2-Fluorohypoxanthine | Br | O-acyl |
| CF ₃ | H | O | 8-Fluorohypoxanthine | Br | O-acyl |
| CF ₃ | H | O | 2,8-Difluorohypoxanthine | Br | O-acyl |
| CF ₃ | H | O | 2-Aminoadenine | Br | O-acyl |
| CF ₃ | H | O | 2-Amino-8-fluoroadenine | Br | O-acyl |
| CF ₃ | H | O | 2-Amino-8-fluorohypoxanthine | Br | O-acyl |
| CF ₃ | H | O | 2-Aminohypoxanthine | Br | O-acyl |
| CF ₃ | H | O | 2-N-acetylguanine | Br | O-acyl |
| CF ₃ | H | O | 4-N-acetylcytosine | Br | O-acyl |
| CF ₃ | H | O | 6-N-acetyladenine | Br | O-acyl |
| CF ₃ | H | O | 2-N-acetyl-8-fluoroguanine | Br | O-acyl |
| CF ₃ | H | O | 4-N-acetyl-5-fluorocytosine | Br | O-acyl |
| CF ₃ | H | O | 6-N-acetyl-2-fluoroadenine | Br | O-acyl |
| CF ₃ | H | O | 6-N-acetyl-2,8-difluoroadenine | Br | O-acyl |
| CF ₃ | H | O | 6-N-acetyl-2-aminoadenine | Br | O-acyl |
| CF ₃ | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-acyl |
| CF ₃ | H | O | 2-N-acetylaminoadenine | Br | O-acyl |
| CF ₃ | H | O | 2-N-acetylamino-8-fluoroadenine | Br | O-acyl |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CF ₃ | H | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Br | O-acyl |
| CF ₃ | H | O | 2-N-acetylaminohypoxanthine | Br | O-acyl |
| CF ₃ | O-amino acid | O | Thymine | Br | O-acyl |
| CF ₃ | O-amino acid | O | Uracil | Br | O-acyl |
| CF ₃ | O-amino acid | O | Guanine | Br | O-acyl |
| CF ₃ | O-amino acid | O | Cytosine | Br | O-acyl |
| CF ₃ | O-amino acid | O | Adenine | Br | O-acyl |
| CF ₃ | O-amino acid | O | Hypoxanthine | Br | O-acyl |
| CF ₃ | O-amino acid | O | 5-Fluorouracil | Br | O-acyl |
| CF ₃ | O-amino acid | O | 8-Fluoroguanine | Br | O-acyl |
| CF ₃ | O-amino acid | O | 5-Fluorocytosine | Br | O-acyl |
| CF ₃ | O-amino acid | O | 8-Fluoroadenine | Br | O-acyl |
| CF ₃ | O-amino acid | O | 2-Fluoroadenine | Br | O-acyl |
| CF ₃ | O-amino acid | O | 2,8-Difluoroadenine | Br | O-acyl |
| CF ₃ | O-amino acid | O | 2-Fluorohypoxanthine | Br | O-acyl |
| CF ₃ | O-amino acid | O | 8-Fluorohypoxanthine | Br | O-acyl |
| CF ₃ | O-amino acid | O | 2,8-Difluorohypoxanthine | Br | O-acyl |
| CF ₃ | O-amino acid | O | 2-Amino adenine | Br | O-acyl |
| CF ₃ | O-amino acid | O | 2-Amino-8-fluoroadenine | Br | O-acyl |
| CF ₃ | O-amino acid | O | 2-Amino-8-fluorohypoxanthine | Br | O-acyl |
| CF ₃ | O-amino acid | O | 2-Aminohypoxanthine | Br | O-acyl |
| CF ₃ | O-amino acid | O | 2-N-acetylguanine | Br | O-acyl |
| CF ₃ | O-amino acid | O | 4-N-acetylcytosine | Br | O-acyl |
| CF ₃ | O-amino acid | O | 6-N-acetyl adenine | Br | O-acyl |
| CF ₃ | O-amino acid | O | 2-N-acetyl-8-fluoroguanine | Br | O-acyl |
| CF ₃ | O-amino acid | O | 4-N-acetyl-5-fluorocytosine | Br | O-acyl |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-fluoroadenine | Br | O-acyl |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2,8-difluoroadenine | Br | O-acyl |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-amino adenine | Br | O-acyl |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-acyl |
| CF ₃ | O-amino acid | O | 2-N-acetylaminoadenine | Br | O-acyl |
| CF ₃ | O-amino acid | O | 2-N-acetyl-amino-8-fluoroadenine | Br | O-acyl |
| CF ₃ | O-amino acid | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Br | O-acyl |
| CF ₃ | O-amino acid | O | 2-N-acetylaminohypoxanthine | Br | O-acyl |
| CF ₃ | O-acyl | O | Thymine | Br | O-acyl |
| CF ₃ | O-acyl | O | Uracil | Br | O-acyl |
| CF ₃ | O-acyl | O | Guanine | Br | O-acyl |
| CF ₃ | O-acyl | O | Cytosine | Br | O-acyl |
| CF ₃ | O-acyl | O | Adenine | Br | O-acyl |
| CF ₃ | O-acyl | O | Hypoxanthine | Br | O-acyl |
| CF ₃ | O-acyl | O | 5-Fluorouracil | Br | O-acyl |
| CF ₃ | O-acyl | O | 8-Fluoroguanine | Br | O-acyl |
| CF ₃ | O-acyl | O | 5-Fluorocytosine | Br | O-acyl |
| CF ₃ | O-acyl | O | 8-Fluoroadenine | Br | O-acyl |
| CF ₃ | O-acyl | O | 2-Fluoroadenine | Br | O-acyl |
| CF ₃ | O-acyl | O | 2,8-Difluoroadenine | Br | O-acyl |
| CF ₃ | O-acyl | O | 2-Fluorohypoxanthine | Br | O-acyl |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CF ₃ | O-acyl | O | 8-Fluorohypoxanthine | Br | O-acyl |
| CF ₃ | O-acyl | O | 2,8-Difluorohypoxanthine | Br | O-acyl |
| CF ₃ | O-acyl | O | 2-Aminoadenine | Br | O-acyl |
| CF ₃ | O-acyl | O | 2-Amino-8-fluoroadenine | Br | O-acyl |
| CF ₃ | O-acyl | O | 2-Amino-8-fluorohypoxanthine | Br | O-acyl |
| CF ₃ | O-acyl | O | 2-Aminohypoxanthine | Br | O-acyl |
| CF ₃ | O-acyl | O | 2-N-acetylguanine | Br | O-acyl |
| CF ₃ | O-acyl | O | 4-N-acetylcytosine | Br | O-acyl |
| CF ₃ | O-acyl | O | 6-N-acetyladenine | Br | O-acyl |
| CF ₃ | O-acyl | O | 2-N-acetyl-8-fluoroguanine | Br | O-acyl |
| CF ₃ | O-acyl | O | 4-N-acetyl-5-fluorocytosine | Br | O-acyl |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-fluoroadenine | Br | O-acyl |
| CF ₃ | O-acyl | O | 6-N-acetyl-2,8-difluoroadenine | Br | O-acyl |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-aminoadenine | Br | O-acyl |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-acyl |
| CF ₃ | O-acyl | O | 2-N-acetylaminoadenine | Br | O-acyl |
| CF ₃ | O-acyl | O | 2-N-acetyl-amino-8-fluoroadenine | Br | O-acyl |
| CF ₃ | O-acyl | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Br | O-acyl |
| CF ₃ | O-acyl | O | 2-N-acetylaminohypoxanthine | Br | O-acyl |
| CF ₃ | OH | O | Thymine | Br | O-acyl |
| CF ₃ | OH | O | Uracil | Br | O-acyl |
| CF ₃ | OH | O | Guanine | Br | O-acyl |
| CF ₃ | OH | O | Cytosine | Br | O-acyl |
| CF ₃ | OH | O | Adenine | Br | O-acyl |
| CF ₃ | OH | O | Hypoxanthine | Br | O-acyl |
| CF ₃ | OH | O | 5-Fluorouracil | Br | O-acyl |
| CF ₃ | OH | O | 8-Fluoroguanine | Br | O-acyl |
| CF ₃ | OH | O | 5-Fluorocytosine | Br | O-acyl |
| CF ₃ | OH | O | 8-Fluoroadenine | Br | O-acyl |
| CF ₃ | OH | O | 2-Fluoroadenine | Br | O-acyl |
| CF ₃ | OH | O | 2,8-Difluoroadenine | Br | O-acyl |
| CF ₃ | OH | O | 2-Fluorohypoxanthine | Br | O-acyl |
| CF ₃ | OH | O | 8-Fluorohypoxanthine | Br | O-acyl |
| CF ₃ | OH | O | 2,8-Difluorohypoxanthine | Br | O-acyl |
| CF ₃ | OH | O | 2-Aminoadenine | Br | O-acyl |
| CF ₃ | OH | O | 2-Amino-8-fluoroadenine | Br | O-acyl |
| CF ₃ | OH | O | 2-Amino-8-fluorohypoxanthine | Br | O-acyl |
| CF ₃ | OH | O | 2-Aminohypoxanthine | Br | O-acyl |
| CF ₃ | OH | O | 2-N-acetylguanine | Br | O-acyl |
| CF ₃ | OH | O | 4-N-acetylcytosine | Br | O-acyl |
| CF ₃ | OH | O | 6-N-acetyladenine | Br | O-acyl |
| CF ₃ | OH | O | 2-N-acetyl-8-fluoroguanine | Br | O-acyl |
| CF ₃ | OH | O | 4-N-acetyl-5-fluorocytosine | Br | O-acyl |
| CF ₃ | OH | O | 6-N-acetyl-2-fluoroadenine | Br | O-acyl |
| CF ₃ | OH | O | 6-N-acetyl-2,8-difluoroadenine | Br | O-acyl |
| CF ₃ | OH | O | 6-N-acetyl-2-aminoadenine | Br | O-acyl |
| CF ₃ | OH | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-acyl |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CF ₃ | OH | O | 2-N-acetylaminoadenine | Br | O-acyl |
| CF ₃ | OH | O | 2-N-acetylamino-8-fluoroadenine | Br | O-acyl |
| CF ₃ | OH | O | 2-N-acetylamino-8-fluorohypoxanthine | Br | O-acyl |
| CF ₃ | OH | O | 2-N-acetylaminohypoxanthine | Br | O-acyl |
| CF ₃ | O-acyl | O | Thymine | Cl | O-acyl |
| CF ₃ | O-acyl | O | Uracil | Cl | O-acyl |
| CF ₃ | O-acyl | O | Guanine | Cl | O-acyl |
| CF ₃ | O-acyl | O | Cytosine | Cl | O-acyl |
| CF ₃ | O-acyl | O | Adenine | Cl | O-acyl |
| CF ₃ | O-acyl | O | Hypoxanthine | Cl | O-acyl |
| CF ₃ | O-acyl | O | 5-Fluorouracil | Cl | O-acyl |
| CF ₃ | O-acyl | O | 8-Fluoroguanine | Cl | O-acyl |
| CF ₃ | O-acyl | O | 5-Fluorocytosine | Cl | O-acyl |
| CF ₃ | O-acyl | O | 8-Fluoroadenine | Cl | O-acyl |
| CF ₃ | O-acyl | O | 2-Fluoroadenine | Cl | O-acyl |
| CF ₃ | O-acyl | O | 2,8-Difluoroadenine | Cl | O-acyl |
| CF ₃ | O-acyl | O | 2-Fluorohypoxanthine | Cl | O-acyl |
| CF ₃ | O-acyl | O | 8-Fluorohypoxanthine | Cl | O-acyl |
| CF ₃ | O-acyl | O | 2,8-Difluorohypoxanthine | Cl | O-acyl |
| CF ₃ | O-acyl | O | 2-Aminoadenine | Cl | O-acyl |
| CF ₃ | O-acyl | O | 2-Amino-8-fluoroadenine | Cl | O-acyl |
| CF ₃ | O-acyl | O | 2-Amino-8-fluorohypoxanthine | Cl | O-acyl |
| CF ₃ | O-acyl | O | 2-Aminohypoxanthine | Cl | O-acyl |
| CF ₃ | O-acyl | O | 2-N-acetylguanine | Cl | O-acyl |
| CF ₃ | O-acyl | O | 4-N-acetylcytosine | Cl | O-acyl |
| CF ₃ | O-acyl | O | 6-N-acetyladenine | Cl | O-acyl |
| CF ₃ | O-acyl | O | 2-N-acetyl-8-fluoroguanine | Cl | O-acyl |
| CF ₃ | O-acyl | O | 4-N-acetyl-5-fluorocytosine | Cl | O-acyl |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-fluoroadenine | Cl | O-acyl |
| CF ₃ | O-acyl | O | 6-N-acetyl-2,8-difluoroadenine | Cl | O-acyl |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-aminoadenine | Cl | O-acyl |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-acyl |
| CF ₃ | O-acyl | O | 2-N-acetylaminoadenine | Cl | O-acyl |
| CF ₃ | O-acyl | O | 2-N-acetylamino-8-fluoroadenine | Cl | O-acyl |
| CF ₃ | O-acyl | O | 2-N-acetylamino-8-fluorohypoxanthine | Cl | O-acyl |
| CF ₃ | O-acyl | O | 2-N-acetylaminohypoxanthine | Cl | O-acyl |
| CF ₃ | OH | O | Thymine | Cl | O-acyl |
| CF ₃ | OH | O | Uracil | Cl | O-acyl |
| CF ₃ | OH | O | Guanine | Cl | O-acyl |
| CF ₃ | OH | O | Cytosine | Cl | O-acyl |
| CF ₃ | OH | O | Adenine | Cl | O-acyl |
| CF ₃ | OH | O | Hypoxanthine | Cl | O-acyl |
| CF ₃ | OH | O | 5-Fluorouracil | Cl | O-acyl |
| CF ₃ | OH | O | 8-Fluoroguanine | Cl | O-acyl |
| CF ₃ | OH | O | 5-Fluorocytosine | Cl | O-acyl |
| CF ₃ | OH | O | 8-Fluoroadenine | Cl | O-acyl |
| CF ₃ | OH | O | 2-Fluoroadenine | Cl | O-acyl |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CF ₃ | OH | O | 2,8-Difluoroadenine | Cl | O-acyl |
| CF ₃ | OH | O | 2-Fluorohypoxanthine | Cl | O-acyl |
| CF ₃ | OH | O | 8-Fluorohypoxanthine | Cl | O-acyl |
| CF ₃ | OH | O | 2,8-Difluorohypoxanthine | Cl | O-acyl |
| CF ₃ | OH | O | 2-Aminoadenine | Cl | O-acyl |
| CF ₃ | OH | O | 2-Amino-8-fluoroadenine | Cl | O-acyl |
| CF ₃ | OH | O | 2-Amino-8-fluorohypoxanthine | Cl | O-acyl |
| CF ₃ | OH | O | 2-Aminohypoxanthine | Cl | O-acyl |
| CF ₃ | OH | O | 2-N-acetylguanine | Cl | O-acyl |
| CF ₃ | OH | O | 4-N-acetylcytosine | Cl | O-acyl |
| CF ₃ | OH | O | 6-N-acetyladenine | Cl | O-acyl |
| CF ₃ | OH | O | 2-N-acetyl-8-fluoroguanine | Cl | O-acyl |
| CF ₃ | OH | O | 4-N-acetyl-5-fluorocytosine | Cl | O-acyl |
| CF ₃ | OH | O | 6-N-acetyl-2-fluoroadenine | Cl | O-acyl |
| CF ₃ | OH | O | 6-N-acetyl-2,8-difluoroadenine | Cl | O-acyl |
| CF ₃ | OH | O | 6-N-acetyl-2-aminoadenine | Cl | O-acyl |
| CF ₃ | OH | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-acyl |
| CF ₃ | OH | O | 2-N-acetylaminoadenine | Cl | O-acyl |
| CF ₃ | OH | O | 2-N-acetylamino-8-fluoroadenine | Cl | O-acyl |
| CF ₃ | OH | O | 2-N-acetylamino-8-fluorohypoxanthine | Cl | O-acyl |
| CF ₃ | OH | O | 2-N-acetylaminohypoxanthine | Cl | O-acyl |
| CF ₃ | H | O | Thymine | Cl | O-acyl |
| CF ₃ | H | O | Uracil | Cl | O-acyl |
| CF ₃ | H | O | Guanine | Cl | O-acyl |
| CF ₃ | H | O | Cytosine | Cl | O-acyl |
| CF ₃ | H | O | Adenine | Cl | O-acyl |
| CF ₃ | H | O | Hypoxanthine | Cl | O-acyl |
| CF ₃ | H | O | 5-Fluorouracil | Cl | O-acyl |
| CF ₃ | H | O | 8-Fluoroguanine | Cl | O-acyl |
| CF ₃ | H | O | 5-Fluorocytosine | Cl | O-acyl |
| CF ₃ | H | O | 8-Fluoroadenine | Cl | O-acyl |
| CF ₃ | H | O | 2-Fluoroadenine | Cl | O-acyl |
| CF ₃ | H | O | 2,8-Difluoroadenine | Cl | O-acyl |
| CF ₃ | H | O | 2-Fluorohypoxanthine | Cl | O-acyl |
| CF ₃ | H | O | 8-Fluorohypoxanthine | Cl | O-acyl |
| CF ₃ | H | O | 2,8-Difluorohypoxanthine | Cl | O-acyl |
| CF ₃ | H | O | 2-Aminoadenine | Cl | O-acyl |
| CF ₃ | H | O | 2-Amino-8-fluoroadenine | Cl | O-acyl |
| CF ₃ | H | O | 2-Amino-8-fluorohypoxanthine | Cl | O-acyl |
| CF ₃ | H | O | 2-Aminohypoxanthine | Cl | O-acyl |
| CF ₃ | H | O | 2-N-acetylguanine | Cl | O-acyl |
| CF ₃ | H | O | 4-N-acetylcytosine | Cl | O-acyl |
| CF ₃ | H | O | 6-N-acetyladenine | Cl | O-acyl |
| CF ₃ | H | O | 2-N-acetyl-8-fluoroguanine | Cl | O-acyl |
| CF ₃ | H | O | 4-N-acetyl-5-fluorocytosine | Cl | O-acyl |
| CF ₃ | H | O | 6-N-acetyl-2-fluoroadenine | Cl | O-acyl |
| CF ₃ | H | O | 6-N-acetyl-2,8-difluoroadenine | Cl | O-acyl |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CF ₃ | H | O | 6-N-acetyl-2-aminoadenine | Cl | O-acyl |
| CF ₃ | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-acyl |
| CF ₃ | H | O | 2-N-acetylaminoadenine | Cl | O-acyl |
| CF ₃ | H | O | 2-N-acetyl-amino-8-fluoroadenine | Cl | O-acyl |
| CF ₃ | H | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Cl | O-acyl |
| CF ₃ | H | O | 2-N-acetylaminohypoxanthine | Cl | O-acyl |
| CF ₃ | O-amino acid | O | Thymine | Cl | O-acyl |
| CF ₃ | O-amino acid | O | Uracil | Cl | O-acyl |
| CF ₃ | O-amino acid | O | Guanine | Cl | O-acyl |
| CF ₃ | O-amino acid | O | Cytosine | Cl | O-acyl |
| CF ₃ | O-amino acid | O | Adenine | Cl | O-acyl |
| CF ₃ | O-amino acid | O | Hypoxanthine | Cl | O-acyl |
| CF ₃ | O-amino acid | O | 5-Fluorouracil | Cl | O-acyl |
| CF ₃ | O-amino acid | O | 8-Fluoroguanine | Cl | O-acyl |
| CF ₃ | O-amino acid | O | 5-Fluorocytosine | Cl | O-acyl |
| CF ₃ | O-amino acid | O | 8-Fluoroadenine | Cl | O-acyl |
| CF ₃ | O-amino acid | O | 2-Fluoroadenine | Cl | O-acyl |
| CF ₃ | O-amino acid | O | 2,8-Difluoroadenine | Cl | O-acyl |
| CF ₃ | O-amino acid | O | 2-Fluorohypoxanthine | Cl | O-acyl |
| CF ₃ | O-amino acid | O | 8-Fluorohypoxanthine | Cl | O-acyl |
| CF ₃ | O-amino acid | O | 2,8-Difluorohypoxanthine | Cl | O-acyl |
| CF ₃ | O-amino acid | O | 2-Aminoadenine | Cl | O-acyl |
| CF ₃ | O-amino acid | O | 2-Amino-8-fluoroadenine | Cl | O-acyl |
| CF ₃ | O-amino acid | O | 2-Amino-8-fluorohypoxanthine | Cl | O-acyl |
| CF ₃ | O-amino acid | O | 2-Aminohypoxanthine | Cl | O-acyl |
| CF ₃ | O-amino acid | O | 2-N-acetylguanine | Cl | O-acyl |
| CF ₃ | O-amino acid | O | 4-N-acetylcytosine | Cl | O-acyl |
| CF ₃ | O-amino acid | O | 6-N-acetyladenine | Cl | O-acyl |
| CF ₃ | O-amino acid | O | 2-N-acetyl-8-fluoroguanine | Cl | O-acyl |
| CF ₃ | O-amino acid | O | 4-N-acetyl-5-fluorocytosine | Cl | O-acyl |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-fluoroadenine | Cl | O-acyl |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2,8-difluoroadenine | Cl | O-acyl |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-aminoadenine | Cl | O-acyl |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-acyl |
| CF ₃ | O-amino acid | O | 2-N-acetylaminoadenine | Cl | O-acyl |
| CF ₃ | O-amino acid | O | 2-N-acetyl-amino-8-fluoroadenine | Cl | O-acyl |
| CF ₃ | O-amino acid | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Cl | O-acyl |
| CF ₃ | O-amino acid | O | 2-N-acetylaminohypoxanthine | Cl | O-acyl |
| CF ₃ | H | O | Thymine | H | O-acyl |
| CF ₃ | H | O | Uracil | H | O-acyl |
| CF ₃ | H | O | Guanine | H | O-acyl |
| CF ₃ | H | O | Cytosine | H | O-acyl |
| CF ₃ | H | O | Adenine | H | O-acyl |
| CF ₃ | H | O | Hypoxanthine | H | O-acyl |
| CF ₃ | H | O | 5-Fluorouracil | H | O-acyl |
| CF ₃ | H | O | 8-Fluoroguanine | H | O-acyl |
| CF ₃ | H | O | 5-Fluorocytosine | H | O-acyl |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CF ₃ | H | O | 8-Fluoroadenine | H | O-acyl |
| CF ₃ | H | O | 2-Fluoroadenine | H | O-acyl |
| CF ₃ | H | O | 2,8-Difluoroadenine | H | O-acyl |
| CF ₃ | H | O | 2-Fluorohypoxanthine | H | O-acyl |
| CF ₃ | H | O | 8-Fluorohypoxanthine | H | O-acyl |
| CF ₃ | H | O | 2,8-Difluorohypoxanthine | H | O-acyl |
| CF ₃ | H | O | 2-Aminoadenine | H | O-acyl |
| CF ₃ | H | O | 2-Amino-8-fluoroadenine | H | O-acyl |
| CF ₃ | H | O | 2-Amino-8-fluorohypoxanthine | H | O-acyl |
| CF ₃ | H | O | 2-Aminohypoxanthine | H | O-acyl |
| CF ₃ | H | O | 2-N-acetylguanine | H | O-acyl |
| CF ₃ | H | O | 4-N-acetylcytosine | H | O-acyl |
| CF ₃ | H | O | 6-N-acetyladenine | H | O-acyl |
| CF ₃ | H | O | 2-N-acetyl-8-fluoroguanine | H | O-acyl |
| CF ₃ | H | O | 4-N-acetyl-5-fluorocytosine | H | O-acyl |
| CF ₃ | H | O | 6-N-acetyl-2-fluoroadenine | H | O-acyl |
| CF ₃ | H | O | 6-N-acetyl-2,8-difluoroadenine | H | O-acyl |
| CF ₃ | H | O | 6-N-acetyl-2-aminoadenine | H | O-acyl |
| CF ₃ | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-acyl |
| CF ₃ | H | O | 2-N-acetylaminoadenine | H | O-acyl |
| CF ₃ | H | O | 2-N-acetyl-amino-8-fluoroadenine | H | O-acyl |
| CF ₃ | H | O | 2-N-acetyl-amino-8-fluorohypoxanthine | H | O-acyl |
| CF ₃ | H | O | 2-N-acetylaminohypoxanthine | H | O-acyl |
| CF ₃ | O-amino acid | O | Thymine | H | O-acyl |
| CF ₃ | O-amino acid | O | Uracil | H | O-acyl |
| CF ₃ | O-amino acid | O | Guanine | H | O-acyl |
| CF ₃ | O-amino acid | O | Cytosine | H | O-acyl |
| CF ₃ | O-amino acid | O | Adenine | H | O-acyl |
| CF ₃ | O-amino acid | O | Hypoxanthine | H | O-acyl |
| CF ₃ | O-amino acid | O | 5-Fluorouracil | H | O-acyl |
| CF ₃ | O-amino acid | O | 8-Fluoroguanine | H | O-acyl |
| CF ₃ | O-amino acid | O | 5-Fluorocytosine | H | O-acyl |
| CF ₃ | O-amino acid | O | 8-Fluoroadenine | H | O-acyl |
| CF ₃ | O-amino acid | O | 2-Fluoroadenine | H | O-acyl |
| CF ₃ | O-amino acid | O | 2,8-Difluoroadenine | H | O-acyl |
| CF ₃ | O-amino acid | O | 2-Fluorohypoxanthine | H | O-acyl |
| CF ₃ | O-amino acid | O | 8-Fluorohypoxanthine | H | O-acyl |
| CF ₃ | O-amino acid | O | 2,8-Difluorohypoxanthine | H | O-acyl |
| CF ₃ | O-amino acid | O | 2-Aminoadenine | H | O-acyl |
| CF ₃ | O-amino acid | O | 2-Amino-8-fluoroadenine | H | O-acyl |
| CF ₃ | O-amino acid | O | 2-Amino-8-fluorohypoxanthine | H | O-acyl |
| CF ₃ | O-amino acid | O | 2-Aminohypoxanthine | H | O-acyl |
| CF ₃ | O-amino acid | O | 2-N-acetylguanine | H | O-acyl |
| CF ₃ | O-amino acid | O | 4-N-acetylcytosine | H | O-acyl |
| CF ₃ | O-amino acid | O | 6-N-acetyladenine | H | O-acyl |
| CF ₃ | O-amino acid | O | 2-N-acetyl-8-fluoroguanine | H | O-acyl |
| CF ₃ | O-amino acid | O | 4-N-acetyl-5-fluorocytosine | H | O-acyl |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-fluoroadenine | H | O-acyl |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2,8-difluoroadenine | H | O-acyl |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-aminoadenine | H | O-acyl |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-acyl |
| CF ₃ | O-amino acid | O | 2-N-acetylaminoadenine | H | O-acyl |
| CF ₃ | O-amino acid | O | 2-N-acetylamino-8-fluoroadenine | H | O-acyl |
| CF ₃ | O-amino acid | O | 2-N-acetylamino-8-fluorohypoxanthine | H | O-acyl |
| CF ₃ | O-amino acid | O | 2-N-acetylaminohypoxanthine | H | O-acyl |
| CF ₃ | O-acyl | O | Thymine | H | O-acyl |
| CF ₃ | O-acyl | O | Uracil | H | O-acyl |
| CF ₃ | O-acyl | O | Guanine | H | O-acyl |
| CF ₃ | O-acyl | O | Cytosine | H | O-acyl |
| CF ₃ | O-acyl | O | Adenine | H | O-acyl |
| CF ₃ | O-acyl | O | Hypoxanthine | H | O-acyl |
| CF ₃ | O-acyl | O | 5-Fluorouracil | H | O-acyl |
| CF ₃ | O-acyl | O | 8-Fluoroguanine | H | O-acyl |
| CF ₃ | O-acyl | O | 5-Fluorocytosine | H | O-acyl |
| CF ₃ | O-acyl | O | 8-Fluoroadenine | H | O-acyl |
| CF ₃ | O-acyl | O | 2-Fluoroadenine | H | O-acyl |
| CF ₃ | O-acyl | O | 2,8-Difluoroadenine | H | O-acyl |
| CF ₃ | O-acyl | O | 2-Fluorohypoxanthine | H | O-acyl |
| CF ₃ | O-acyl | O | 8-Fluorohypoxanthine | H | O-acyl |
| CF ₃ | O-acyl | O | 2,8-Difluorohypoxanthine | H | O-acyl |
| CF ₃ | O-acyl | O | 2-Aminoadenine | H | O-acyl |
| CF ₃ | O-acyl | O | 2-Amino-8-fluoroadenine | H | O-acyl |
| CF ₃ | O-acyl | O | 2-Amino-8-fluorohypoxanthine | H | O-acyl |
| CF ₃ | O-acyl | O | 2-Aminohypoxanthine | H | O-acyl |
| CF ₃ | O-acyl | O | 2-N-acetylguanine | H | O-acyl |
| CF ₃ | O-acyl | O | 4-N-acetylcytosine | H | O-acyl |
| CF ₃ | O-acyl | O | 6-N-acetyladenine | H | O-acyl |
| CF ₃ | O-acyl | O | 2-N-acetyl-8-fluoroguanine | H | O-acyl |
| CF ₃ | O-acyl | O | 4-N-acetyl-5-fluorocytosine | H | O-acyl |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-fluoroadenine | H | O-acyl |
| CF ₃ | O-acyl | O | 6-N-acetyl-2,8-difluoroadenine | H | O-acyl |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-aminoadenine | H | O-acyl |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-acyl |
| CF ₃ | O-acyl | O | 2-N-acetylaminoadenine | H | O-acyl |
| CF ₃ | O-acyl | O | 2-N-acetylamino-8-fluoroadenine | H | O-acyl |
| CF ₃ | O-acyl | O | 2-N-acetylamino-8-fluorohypoxanthine | H | O-acyl |
| CF ₃ | O-acyl | O | 2-N-acetylaminohypoxanthine | H | O-acyl |
| CF ₃ | OH | O | Thymine | H | O-acyl |
| CF ₃ | OH | O | Uracil | H | O-acyl |
| CF ₃ | OH | O | Guanine | H | O-acyl |
| CF ₃ | OH | O | Cytosine | H | O-acyl |
| CF ₃ | OH | O | Adenine | H | O-acyl |
| CF ₃ | OH | O | Hypoxanthine | H | O-acyl |
| CF ₃ | OH | O | 5-Fluorouracil | H | O-acyl |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CF ₃ | OH | O | 8-Fluoroguanine | H | O-acyl |
| CF ₃ | OH | O | 5-Fluorocytosine | H | O-acyl |
| CF ₃ | OH | O | 8-Fluoroadenine | H | O-acyl |
| CF ₃ | OH | O | 2-Fluoroadenine | H | O-acyl |
| CF ₃ | OH | O | 2,8-Difluoroadenine | H | O-acyl |
| CF ₃ | OH | O | 2-Fluorohypoxanthine | H | O-acyl |
| CF ₃ | OH | O | 8-Fluorohypoxanthine | H | O-acyl |
| CF ₃ | OH | O | 2,8-Difluorohypoxanthine | H | O-acyl |
| CF ₃ | OH | O | 2-Aminoadenine | H | O-acyl |
| CF ₃ | OH | O | 2-Amino-8-fluoroadenine | H | O-acyl |
| CF ₃ | OH | O | 2-Amino-8-fluorohypoxanthine | H | O-acyl |
| CF ₃ | OH | O | 2-Aminohypoxanthine | H | O-acyl |
| CF ₃ | OH | O | 2-N-acetylguanine | H | O-acyl |
| CF ₃ | OH | O | 4-N-acetylcytosine | H | O-acyl |
| CF ₃ | OH | O | 6-N-acetyladenine | H | O-acyl |
| CF ₃ | OH | O | 2-N-acetyl-8-fluoroguanine | H | O-acyl |
| CF ₃ | OH | O | 4-N-acetyl-5-fluorocytosine | H | O-acyl |
| CF ₃ | OH | O | 6-N-acetyl-2-fluoroadenine | H | O-acyl |
| CF ₃ | OH | O | 6-N-acetyl-2,8-difluoroadenine | H | O-acyl |
| CF ₃ | OH | O | 6-N-acetyl-2-aminoadenine | H | O-acyl |
| CF ₃ | OH | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-acyl |
| CF ₃ | OH | O | 2-N-acetylaminoadenine | H | O-acyl |
| CF ₃ | OH | O | 2-N-acetylamino-8-fluoroadenine | H | O-acyl |
| CF ₃ | OH | O | 2-N-acetylamino-8-fluorohypoxanthine | H | O-acyl |
| CF ₃ | OH | O | 2-N-acetylaminohypoxanthine | H | O-acyl |
| CF ₃ | H | O | Thymine | OH | O-acyl |
| CF ₃ | H | O | Uracil | OH | O-acyl |
| CF ₃ | H | O | Guanine | OH | O-acyl |
| CF ₃ | H | O | Cytosine | OH | O-acyl |
| CF ₃ | H | O | Adenine | OH | O-acyl |
| CF ₃ | H | O | Hypoxanthine | OH | O-acyl |
| CF ₃ | H | O | 5-Fluorouracil | OH | O-acyl |
| CF ₃ | H | O | 8-Fluoroguanine | OH | O-acyl |
| CF ₃ | H | O | 5-Fluorocytosine | OH | O-acyl |
| CF ₃ | H | O | 8-Fluoroadenine | OH | O-acyl |
| CF ₃ | H | O | 2-Fluoroadenine | OH | O-acyl |
| CF ₃ | H | O | 2,8-Difluoroadenine | OH | O-acyl |
| CF ₃ | H | O | 2-Fluorohypoxanthine | OH | O-acyl |
| CF ₃ | H | O | 8-Fluorohypoxanthine | OH | O-acyl |
| CF ₃ | H | O | 2,8-Difluorohypoxanthine | OH | O-acyl |
| CF ₃ | H | O | 2-Aminoadenine | OH | O-acyl |
| CF ₃ | H | O | 2-Amino-8-fluoroadenine | OH | O-acyl |
| CF ₃ | H | O | 2-Amino-8-fluorohypoxanthine | OH | O-acyl |
| CF ₃ | H | O | 2-Aminohypoxanthine | OH | O-acyl |
| CF ₃ | H | O | 2-N-acetylguanine | OH | O-acyl |
| CF ₃ | H | O | 4-N-acetylcytosine | OH | O-acyl |
| CF ₃ | H | O | 6-N-acetyladenine | OH | O-acyl |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CF ₃ | H | O | 2-N-acetyl-8-fluoroguanine | OH | O-acyl |
| CF ₃ | H | O | 4-N-acetyl-5-fluorocytosine | OH | O-acyl |
| CF ₃ | H | O | 6-N-acetyl-2-fluoroadenine | OH | O-acyl |
| CF ₃ | H | O | 6-N-acetyl-2,8-difluoroadenine | OH | O-acyl |
| CF ₃ | H | O | 6-N-acetyl-2-aminoadenine | OH | O-acyl |
| CF ₃ | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | OH | O-acyl |
| CF ₃ | H | O | 2-N-acetylaminoadenine | OH | O-acyl |
| CF ₃ | H | O | 2-N-acetyl-amino-8-fluoroadenine | OH | O-acyl |
| CF ₃ | H | O | 2-N-acetyl-amino-8-fluorohypoxanthine | OH | O-acyl |
| CF ₃ | H | O | 2-N-acetylaminohypoxanthine | OH | O-acyl |
| CF ₃ | H | O | Thymine | F | O-amino acid |
| CF ₃ | H | O | Uracil | F | O-amino acid |
| CF ₃ | H | O | Guanine | F | O-amino acid |
| CF ₃ | H | O | Cytosine | F | O-amino acid |
| CF ₃ | H | O | Adenine | F | O-amino acid |
| CF ₃ | H | O | Hypoxanthine | F | O-amino acid |
| CF ₃ | H | O | 5-Fluorouracil | F | O-amino acid |
| CF ₃ | H | O | 8-Fluoroguanine | F | O-amino acid |
| CF ₃ | H | O | 5-Fluorocytosine | F | O-amino acid |
| CF ₃ | H | O | 8-Fluoroadenine | F | O-amino acid |
| CF ₃ | H | O | 2-Fluoroadenine | F | O-amino acid |
| CF ₃ | H | O | 2,8-Difluoroadenine | F | O-amino acid |
| CF ₃ | H | O | 2-Fluorohypoxanthine | F | O-amino acid |
| CF ₃ | H | O | 8-Fluorohypoxanthine | F | O-amino acid |
| CF ₃ | H | O | 2,8-Difluorohypoxanthine | F | O-amino acid |
| CF ₃ | H | O | 2-Aminoadenine | F | O-amino acid |
| CF ₃ | H | O | 2-Amino-8-fluoroadenine | F | O-amino acid |
| CF ₃ | H | O | 2-Amino-8-fluorohypoxanthine | F | O-amino acid |
| CF ₃ | H | O | 2-Aminohypoxanthine | F | O-amino acid |
| CF ₃ | H | O | 2-N-acetylguanine | F | O-amino acid |
| CF ₃ | H | O | 4-N-acetylcytosine | F | O-amino acid |
| CF ₃ | H | O | 6-N-acetyl-adenine | F | O-amino acid |
| CF ₃ | H | O | 2-N-acetyl-8-fluoroguanine | F | O-amino acid |
| CF ₃ | H | O | 4-N-acetyl-5-fluorocytosine | F | O-amino acid |
| CF ₃ | H | O | 6-N-acetyl-2-fluoroadenine | F | O-amino acid |
| CF ₃ | H | O | 6-N-acetyl-2,8-difluoroadenine | F | O-amino acid |
| CF ₃ | H | O | 6-N-acetyl-2-aminoadenine | F | O-amino acid |
| CF ₃ | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-amino acid |
| CF ₃ | H | O | 2-N-acetylaminoadenine | F | O-amino acid |
| CF ₃ | H | O | 2-N-acetyl-amino-8-fluoroadenine | F | O-amino acid |
| CF ₃ | H | O | 2-N-acetyl-amino-8-fluorohypoxanthine | F | O-amino acid |
| CF ₃ | H | O | 2-N-acetylaminohypoxanthine | F | O-amino acid |
| CF ₃ | O-amino acid | O | Thymine | F | O-amino acid |
| CF ₃ | O-amino acid | O | Uracil | F | O-amino acid |
| CF ₃ | O-amino acid | O | Guanine | F | O-amino acid |
| CF ₃ | O-amino acid | O | Cytosine | F | O-amino acid |
| CF ₃ | O-amino acid | O | Adenine | F | O-amino acid |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CF ₃ | O-amino acid | O | Hypoxanthine | F | O-amino acid |
| CF ₃ | O-amino acid | O | 5-Fluorouracil | F | O-amino acid |
| CF ₃ | O-amino acid | O | 8-Fluoroguanine | F | O-amino acid |
| CF ₃ | O-amino acid | O | 5-Fluorocytosine | F | O-amino acid |
| CF ₃ | O-amino acid | O | 8-Fluoroadenine | F | O-amino acid |
| CF ₃ | O-amino acid | O | 2-Fluoroadenine | F | O-amino acid |
| CF ₃ | O-amino acid | O | 2,8-Difluoroadenine | F | O-amino acid |
| CF ₃ | O-amino acid | O | 2-Fluorohypoxanthine | F | O-amino acid |
| CF ₃ | O-amino acid | O | 8-Fluorohypoxanthine | F | O-amino acid |
| CF ₃ | O-amino acid | O | 2,8-Difluorohypoxanthine | F | O-amino acid |
| CF ₃ | O-amino acid | O | 2-Aminoadenine | F | O-amino acid |
| CF ₃ | O-amino acid | O | 2-Amino-8-fluoroadenine | F | O-amino acid |
| CF ₃ | O-amino acid | O | 2-Amino-8-fluorohypoxanthine | F | O-amino acid |
| CF ₃ | O-amino acid | O | 2-Aminohypoxanthine | F | O-amino acid |
| CF ₃ | O-amino acid | O | 2-N-acetylguanine | F | O-amino acid |
| CF ₃ | O-amino acid | O | 4-N-acetylcytosine | F | O-amino acid |
| CF ₃ | O-amino acid | O | 6-N-acetyladenine | F | O-amino acid |
| CF ₃ | O-amino acid | O | 2-N-acetyl-8-fluoroguanine | F | O-amino acid |
| CF ₃ | O-amino acid | O | 4-N-acetyl-5-fluorocytosine | F | O-amino acid |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-fluoroadenine | F | O-amino acid |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2,8-difluoroadenine | F | O-amino acid |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-aminoadenine | F | O-amino acid |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-amino acid |
| CF ₃ | O-amino acid | O | 2-N-acetylaminoadenine | F | O-amino acid |
| CF ₃ | O-amino acid | O | 2-N-acetylamino-8-fluoroadenine | F | O-amino acid |
| CF ₃ | O-amino acid | O | 2-N-acetylamino-8-fluorohypoxanthine | F | O-amino acid |
| CF ₃ | O-amino acid | O | 2-N-acetylaminohypoxanthine | F | O-amino acid |
| CF ₃ | O-acyl | O | Thymine | F | O-amino acid |
| CF ₃ | O-acyl | O | Uracil | F | O-amino acid |
| CF ₃ | O-acyl | O | Guanine | F | O-amino acid |
| CF ₃ | O-acyl | O | Cytosine | F | O-amino acid |
| CF ₃ | O-acyl | O | Adenine | F | O-amino acid |
| CF ₃ | O-acyl | O | Hypoxanthine | F | O-amino acid |
| CF ₃ | O-acyl | O | 5-Fluorouracil | F | O-amino acid |
| CF ₃ | O-acyl | O | 8-Fluoroguanine | F | O-amino acid |
| CF ₃ | O-acyl | O | 5-Fluorocytosine | F | O-amino acid |
| CF ₃ | O-acyl | O | 8-Fluoroadenine | F | O-amino acid |
| CF ₃ | O-acyl | O | 2-Fluoroadenine | F | O-amino acid |
| CF ₃ | O-acyl | O | 2,8-Difluoroadenine | F | O-amino acid |
| CF ₃ | O-acyl | O | 2-Fluorohypoxanthine | F | O-amino acid |
| CF ₃ | O-acyl | O | 8-Fluorohypoxanthine | F | O-amino acid |
| CF ₃ | O-acyl | O | 2,8-Difluorohypoxanthine | F | O-amino acid |
| CF ₃ | O-acyl | O | 2-Aminoadenine | F | O-amino acid |
| CF ₃ | O-acyl | O | 2-Amino-8-fluoroadenine | F | O-amino acid |
| CF ₃ | O-acyl | O | 2-Amino-8-fluorohypoxanthine | F | O-amino acid |
| CF ₃ | O-acyl | O | 2-Aminohypoxanthine | F | O-amino acid |
| CF ₃ | O-acyl | O | 2-N-acetylguanine | F | O-amino acid |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|------------------------------------|----------------|----------------|
| CF ₃ | O-acyl | O | 4-N-acetylcytosine | F | O-amino acid |
| CF ₃ | O-acyl | O | 6-N-acetyl原因 | F | O-amino acid |
| CF ₃ | O-acyl | O | 2-N-acetyl-8-fluoroguanine | F | O-amino acid |
| CF ₃ | O-acyl | O | 4-N-acetyl-5-fluorocytosine | F | O-amino acid |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-fluoroadenine | F | O-amino acid |
| CF ₃ | O-acyl | O | 6-N-acetyl-2,8-difluoroadenine | F | O-amino acid |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-aminoadenine | F | O-amino acid |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-amino acid |
| CF ₃ | O-acyl | O | 2-N-acetyl原因 | F | O-amino acid |
| CF ₃ | O-acyl | O | 2-N-acetyl原因-8-fluoroadenine | F | O-amino acid |
| CF ₃ | O-acyl | O | 2-N-acetyl原因-8-fluorohypoxanthine | F | O-amino acid |
| CF ₃ | O-acyl | O | 2-N-acetyl原因hypoxanthine | F | O-amino acid |
| CF ₃ | OH | O | Thymine | F | O-amino acid |
| CF ₃ | OH | O | Uracil | F | O-amino acid |
| CF ₃ | OH | O | Guanine | F | O-amino acid |
| CF ₃ | OH | O | Cytosine | F | O-amino acid |
| CF ₃ | OH | O | Adenine | F | O-amino acid |
| CF ₃ | OH | O | Hypoxanthine | F | O-amino acid |
| CF ₃ | OH | O | 5-Fluorouracil | F | O-amino acid |
| CF ₃ | OH | O | 8-Fluoroguanine | F | O-amino acid |
| CF ₃ | OH | O | 5-Fluorocytosine | F | O-amino acid |
| CF ₃ | OH | O | 8-Fluoroadenine | F | O-amino acid |
| CF ₃ | OH | O | 2-Fluoroadenine | F | O-amino acid |
| CF ₃ | OH | O | 2,8-Difluoroadenine | F | O-amino acid |
| CF ₃ | OH | O | 2-Fluorohypoxanthine | F | O-amino acid |
| CF ₃ | OH | O | 8-Fluorohypoxanthine | F | O-amino acid |
| CF ₃ | OH | O | 2,8-Difluorohypoxanthine | F | O-amino acid |
| CF ₃ | OH | O | 2-Aminoadenine | F | O-amino acid |
| CF ₃ | OH | O | 2-Amino-8-fluoroadenine | F | O-amino acid |
| CF ₃ | OH | O | 2-Amino-8-fluorohypoxanthine | F | O-amino acid |
| CF ₃ | OH | O | 2-Aminohypoxanthine | F | O-amino acid |
| CF ₃ | OH | O | 2-N-acetyl原因 | F | O-amino acid |
| CF ₃ | OH | O | 4-N-acetylcytosine | F | O-amino acid |
| CF ₃ | OH | O | 6-N-acetyl原因 | F | O-amino acid |
| CF ₃ | OH | O | 2-N-acetyl-8-fluoroguanine | F | O-amino acid |
| CF ₃ | OH | O | 4-N-acetyl-5-fluorocytosine | F | O-amino acid |
| CF ₃ | OH | O | 6-N-acetyl-2-fluoroadenine | F | O-amino acid |
| CF ₃ | OH | O | 6-N-acetyl-2,8-difluoroadenine | F | O-amino acid |
| CF ₃ | OH | O | 6-N-acetyl-2-aminoadenine | F | O-amino acid |
| CF ₃ | OH | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-amino acid |
| CF ₃ | OH | O | 2-N-acetyl原因 | F | O-amino acid |
| CF ₃ | OH | O | 2-N-acetyl原因-8-fluoroadenine | F | O-amino acid |
| CF ₃ | OH | O | 2-N-acetyl原因-8-fluorohypoxanthine | F | O-amino acid |
| CF ₃ | OH | O | 2-N-acetyl原因hypoxanthine | F | O-amino acid |
| CF ₃ | H | O | Thymine | Br | O-amino acid |
| CF ₃ | H | O | Uracil | Br | O-amino acid |
| CF ₃ | H | O | Guanine | Br | O-amino acid |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CF ₃ | H | O | Cytosine | Br | O-amino acid |
| CF ₃ | H | O | Adenine | Br | O-amino acid |
| CF ₃ | H | O | Hypoxanthine | Br | O-amino acid |
| CF ₃ | H | O | 5-Fluorouracil | Br | O-amino acid |
| CF ₃ | H | O | 8-Fluoroguanine | Br | O-amino acid |
| CF ₃ | H | O | 5-Fluorocytosine | Br | O-amino acid |
| CF ₃ | H | O | 8-Fluoroadenine | Br | O-amino acid |
| CF ₃ | H | O | 2-Fluoroadenine | Br | O-amino acid |
| CF ₃ | H | O | 2,8-Difluoroadenine | Br | O-amino acid |
| CF ₃ | H | O | 2-Fluorohypoxanthine | Br | O-amino acid |
| CF ₃ | H | O | 8-Fluorohypoxanthine | Br | O-amino acid |
| CF ₃ | H | O | 2,8-Difluorohypoxanthine | Br | O-amino acid |
| CF ₃ | H | O | 2-Aminoadenine | Br | O-amino acid |
| CF ₃ | H | O | 2-Amino-8-fluoroadenine | Br | O-amino acid |
| CF ₃ | H | O | 2-Amino-8-fluorohypoxanthine | Br | O-amino acid |
| CF ₃ | H | O | 2-Aminohypoxanthine | Br | O-amino acid |
| CF ₃ | H | O | 2-N-acetylguanine | Br | O-amino acid |
| CF ₃ | H | O | 4-N-acetylcytosine | Br | O-amino acid |
| CF ₃ | H | O | 6-N-acetyladenine | Br | O-amino acid |
| CF ₃ | H | O | 2-N-acetyl-8-fluoroguanine | Br | O-amino acid |
| CF ₃ | H | O | 4-N-acetyl-5-fluorocytosine | Br | O-amino acid |
| CF ₃ | H | O | 6-N-acetyl-2-fluoroadenine | Br | O-amino acid |
| CF ₃ | H | O | 6-N-acetyl-2,8-difluoroadenine | Br | O-amino acid |
| CF ₃ | H | O | 6-N-acetyl-2-aminoadenine | Br | O-amino acid |
| CF ₃ | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-amino acid |
| CF ₃ | H | O | 2-N-acetylaminoadenine | Br | O-amino acid |
| CF ₃ | H | O | 2-N-acetylamino-8-fluoroadenine | Br | O-amino acid |
| CF ₃ | H | O | 2-N-acetylamino-8-fluorohypoxanthine | Br | O-amino acid |
| CF ₃ | H | O | 2-N-acetylaminohypoxanthine | Br | O-amino acid |
| CF ₃ | O-amino acid | O | Thymine | Br | O-amino acid |
| CF ₃ | O-amino acid | O | Uracil | Br | O-amino acid |
| CF ₃ | O-amino acid | O | Guanine | Br | O-amino acid |
| CF ₃ | O-amino acid | O | Cytosine | Br | O-amino acid |
| CF ₃ | O-amino acid | O | Adenine | Br | O-amino acid |
| CF ₃ | O-amino acid | O | Hypoxanthine | Br | O-amino acid |
| CF ₃ | O-amino acid | O | 5-Fluorouracil | Br | O-amino acid |
| CF ₃ | O-amino acid | O | 8-Fluoroguanine | Br | O-amino acid |
| CF ₃ | O-amino acid | O | 5-Fluorocytosine | Br | O-amino acid |
| CF ₃ | O-amino acid | O | 8-Fluoroadenine | Br | O-amino acid |
| CF ₃ | O-amino acid | O | 2-Fluoroadenine | Br | O-amino acid |
| CF ₃ | O-amino acid | O | 2,8-Difluoroadenine | Br | O-amino acid |
| CF ₃ | O-amino acid | O | 2-Fluorohypoxanthine | Br | O-amino acid |
| CF ₃ | O-amino acid | O | 8-Fluorohypoxanthine | Br | O-amino acid |
| CF ₃ | O-amino acid | O | 2,8-Difluorohypoxanthine | Br | O-amino acid |
| CF ₃ | O-amino acid | O | 2-Aminoadenine | Br | O-amino acid |
| CF ₃ | O-amino acid | O | 2-Amino-8-fluoroadenine | Br | O-amino acid |
| CF ₃ | O-amino acid | O | 2-Amino-8-fluorohypoxanthine | Br | O-amino acid |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CF ₃ | O-amino acid | O | 2-Aminohypoxanthine | Br | O-amino acid |
| CF ₃ | O-amino acid | O | 2-N-acetylguanine | Br | O-amino acid |
| CF ₃ | O-amino acid | O | 4-N-acetylcytosine | Br | O-amino acid |
| CF ₃ | O-amino acid | O | 6-N-acetyladenine | Br | O-amino acid |
| CF ₃ | O-amino acid | O | 2-N-acetyl-8-fluoroguanine | Br | O-amino acid |
| CF ₃ | O-amino acid | O | 4-N-acetyl-5-fluorocytosine | Br | O-amino acid |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-fluoroadenine | Br | O-amino acid |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2,8-difluoroadenine | Br | O-amino acid |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-aminoadenine | Br | O-amino acid |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-amino acid |
| CF ₃ | O-amino acid | O | 2-N-acetylaminoadenine | Br | O-amino acid |
| CF ₃ | O-amino acid | O | 2-N-acetyl-amino-8-fluoroadenine | Br | O-amino acid |
| CF ₃ | O-amino acid | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Br | O-amino acid |
| CF ₃ | O-amino acid | O | 2-N-acetylaminohypoxanthine | Br | O-amino acid |
| CF ₃ | O-acyl | O | Thymine | Br | O-amino acid |
| CF ₃ | O-acyl | O | Uracil | Br | O-amino acid |
| CF ₃ | O-acyl | O | Guanine | Br | O-amino acid |
| CF ₃ | O-acyl | O | Cytosine | Br | O-amino acid |
| CF ₃ | O-acyl | O | Adenine | Br | O-amino acid |
| CF ₃ | O-acyl | O | Hypoxanthine | Br | O-amino acid |
| CF ₃ | O-acyl | O | 5-Fluorouracil | Br | O-amino acid |
| CF ₃ | O-acyl | O | 8-Fluoroguanine | Br | O-amino acid |
| CF ₃ | O-acyl | O | 5-Fluorocytosine | Br | O-amino acid |
| CF ₃ | O-acyl | O | 8-Fluoroadenine | Br | O-amino acid |
| CF ₃ | O-acyl | O | 2-Fluoroadenine | Br | O-amino acid |
| CF ₃ | O-acyl | O | 2,8-Difluoroadenine | Br | O-amino acid |
| CF ₃ | O-acyl | O | 2-Fluorohypoxanthine | Br | O-amino acid |
| CF ₃ | O-acyl | O | 8-Fluorohypoxanthine | Br | O-amino acid |
| CF ₃ | O-acyl | O | 2,8-Difluorohypoxanthine | Br | O-amino acid |
| CF ₃ | O-acyl | O | 2-Aminoadenine | Br | O-amino acid |
| CF ₃ | O-acyl | O | 2-Amino-8-fluoroadenine | Br | O-amino acid |
| CF ₃ | O-acyl | O | 2-Amino-8-fluorohypoxanthine | Br | O-amino acid |
| CF ₃ | O-acyl | O | 2-Aminohypoxanthine | Br | O-amino acid |
| CF ₃ | O-acyl | O | 2-N-acetylguanine | Br | O-amino acid |
| CF ₃ | O-acyl | O | 4-N-acetylcytosine | Br | O-amino acid |
| CF ₃ | O-acyl | O | 6-N-acetyladenine | Br | O-amino acid |
| CF ₃ | O-acyl | O | 2-N-acetyl-8-fluoroguanine | Br | O-amino acid |
| CF ₃ | O-acyl | O | 4-N-acetyl-5-fluorocytosine | Br | O-amino acid |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-fluoroadenine | Br | O-amino acid |
| CF ₃ | O-acyl | O | 6-N-acetyl-2,8-difluoroadenine | Br | O-amino acid |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-aminoadenine | Br | O-amino acid |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-amino acid |
| CF ₃ | O-acyl | O | 2-N-acetylaminoadenine | Br | O-amino acid |
| CF ₃ | O-acyl | O | 2-N-acetyl-amino-8-fluoroadenine | Br | O-amino acid |
| CF ₃ | O-acyl | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Br | O-amino acid |
| CF ₃ | O-acyl | O | 2-N-acetylaminohypoxanthine | Br | O-amino acid |
| CF ₃ | OH | O | Thymine | Br | O-amino acid |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CF ₃ | OH | O | Uracil | Br | O-amino acid |
| CF ₃ | OH | O | Guanine | Br | O-amino acid |
| CF ₃ | OH | O | Cytosine | Br | O-amino acid |
| CF ₃ | OH | O | Adenine | Br | O-amino acid |
| CF ₃ | OH | O | Hypoxanthine | Br | O-amino acid |
| CF ₃ | OH | O | 5-Fluorouracil | Br | O-amino acid |
| CF ₃ | OH | O | 8-Fluoroguanine | Br | O-amino acid |
| CF ₃ | OH | O | 5-Fluorocytosine | Br | O-amino acid |
| CF ₃ | OH | O | 8-Fluoroadenine | Br | O-amino acid |
| CF ₃ | OH | O | 2-Fluoroadenine | Br | O-amino acid |
| CF ₃ | OH | O | 2,8-Difluoroadenine | Br | O-amino acid |
| CF ₃ | OH | O | 2-Fluorohypoxanthine | Br | O-amino acid |
| CF ₃ | OH | O | 8-Fluorohypoxanthine | Br | O-amino acid |
| CF ₃ | OH | O | 2,8-Difluorohypoxanthine | Br | O-amino acid |
| CF ₃ | OH | O | 2-Aminoadenine | Br | O-amino acid |
| CF ₃ | OH | O | 2-Amino-8-fluoroadenine | Br | O-amino acid |
| CF ₃ | OH | O | 2-Amino-8-fluorohypoxanthine | Br | O-amino acid |
| CF ₃ | OH | O | 2-Aminohypoxanthine | Br | O-amino acid |
| CF ₃ | OH | O | 2-N-acetylguanine | Br | O-amino acid |
| CF ₃ | OH | O | 4-N-acetylcytosine | Br | O-amino acid |
| CF ₃ | OH | O | 6-N-acetyladenine | Br | O-amino acid |
| CF ₃ | OH | O | 2-N-acetyl-8-fluoroguanine | Br | O-amino acid |
| CF ₃ | OH | O | 4-N-acetyl-5-fluorocytosine | Br | O-amino acid |
| CF ₃ | OH | O | 6-N-acetyl-2-fluoroadenine | Br | O-amino acid |
| CF ₃ | OH | O | 6-N-acetyl-2,8-difluoroadenine | Br | O-amino acid |
| CF ₃ | OH | O | 6-N-acetyl-2-aminoadenine | Br | O-amino acid |
| CF ₃ | OH | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-amino acid |
| CF ₃ | OH | O | 2-N-acetylaminoadenine | Br | O-amino acid |
| CF ₃ | OH | O | 2-N-acetylamino-8-fluoroadenine | Br | O-amino acid |
| CF ₃ | OH | O | 2-N-acetylamino-8-fluorohypoxanthine | Br | O-amino acid |
| CF ₃ | OH | O | 2-N-acetylaminohypoxanthine | Br | O-amino acid |
| CF ₃ | H | O | Thymine | Cl | O-amino acid |
| CF ₃ | H | O | Uracil | Cl | O-amino acid |
| CF ₃ | H | O | Guanine | Cl | O-amino acid |
| CF ₃ | H | O | Cytosine | Cl | O-amino acid |
| CF ₃ | H | O | Adenine | Cl | O-amino acid |
| CF ₃ | H | O | Hypoxanthine | Cl | O-amino acid |
| CF ₃ | H | O | 5-Fluorouracil | Cl | O-amino acid |
| CF ₃ | H | O | 8-Fluoroguanine | Cl | O-amino acid |
| CF ₃ | H | O | 5-Fluorocytosine | Cl | O-amino acid |
| CF ₃ | H | O | 8-Fluoroadenine | Cl | O-amino acid |
| CF ₃ | H | O | 2-Fluoroadenine | Cl | O-amino acid |
| CF ₃ | H | O | 2,8-Difluoroadenine | Cl | O-amino acid |
| CF ₃ | H | O | 2-Fluorohypoxanthine | Cl | O-amino acid |
| CF ₃ | H | O | 8-Fluorohypoxanthine | Cl | O-amino acid |
| CF ₃ | H | O | 2,8-Difluorohypoxanthine | Cl | O-amino acid |
| CF ₃ | H | O | 2-Aminoadenine | Cl | O-amino acid |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CF ₃ | H | O | 2-Amino-8-fluoroadenine | Cl | O-amino acid |
| CF ₃ | H | O | 2-Amino-8-fluorohypoxanthine | Cl | O-amino acid |
| CF ₃ | H | O | 2-Aminohypoxanthine | Cl | O-amino acid |
| CF ₃ | H | O | 2-N-acetylguanine | Cl | O-amino acid |
| CF ₃ | H | O | 4-N-acetylcytosine | Cl | O-amino acid |
| CF ₃ | H | O | 6-N-acetyladenine | Cl | O-amino acid |
| CF ₃ | H | O | 2-N-acetyl-8-fluoroguanine | Cl | O-amino acid |
| CF ₃ | H | O | 4-N-acetyl-5-fluorocytosine | Cl | O-amino acid |
| CF ₃ | H | O | 6-N-acetyl-2-fluoroadenine | Cl | O-amino acid |
| CF ₃ | H | O | 6-N-acetyl-2,8-difluoroadenine | Cl | O-amino acid |
| CF ₃ | H | O | 6-N-acetyl-2-aminoadenine | Cl | O-amino acid |
| CF ₃ | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-amino acid |
| CF ₃ | H | O | 2-N-acetylaminoadenine | Cl | O-amino acid |
| CF ₃ | H | O | 2-N-acetyl-amino-8-fluoroadenine | Cl | O-amino acid |
| CF ₃ | H | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Cl | O-amino acid |
| CF ₃ | H | O | 2-N-acetylaminohypoxanthine | Cl | O-amino acid |
| CF ₃ | O-amino acid | O | Thymine | Cl | O-amino acid |
| CF ₃ | O-amino acid | O | Uracil | Cl | O-amino acid |
| CF ₃ | O-amino acid | O | Guanine | Cl | O-amino acid |
| CF ₃ | O-amino acid | O | Cytosine | Cl | O-amino acid |
| CF ₃ | O-amino acid | O | Adenine | Cl | O-amino acid |
| CF ₃ | O-amino acid | O | Hypoxanthine | Cl | O-amino acid |
| CF ₃ | O-amino acid | O | 5-Fluorouracil | Cl | O-amino acid |
| CF ₃ | O-amino acid | O | 8-Fluoroguanine | Cl | O-amino acid |
| CF ₃ | O-amino acid | O | 5-Fluorocytosine | Cl | O-amino acid |
| CF ₃ | O-amino acid | O | 8-Fluoroadenine | Cl | O-amino acid |
| CF ₃ | O-amino acid | O | 2-Fluoroadenine | Cl | O-amino acid |
| CF ₃ | O-amino acid | O | 2,8-Difluoroadenine | Cl | O-amino acid |
| CF ₃ | O-amino acid | O | 2-Fluorohypoxanthine | Cl | O-amino acid |
| CF ₃ | O-amino acid | O | 8-Fluorohypoxanthine | Cl | O-amino acid |
| CF ₃ | O-amino acid | O | 2,8-Difluorohypoxanthine | Cl | O-amino acid |
| CF ₃ | O-amino acid | O | 2-Aminoadenine | Cl | O-amino acid |
| CF ₃ | O-amino acid | O | 2-Amino-8-fluoroadenine | Cl | O-amino acid |
| CF ₃ | O-amino acid | O | 2-Amino-8-fluorohypoxanthine | Cl | O-amino acid |
| CF ₃ | O-amino acid | O | 2-Aminohypoxanthine | Cl | O-amino acid |
| CF ₃ | O-amino acid | O | 2-N-acetylguanine | Cl | O-amino acid |
| CF ₃ | O-amino acid | O | 4-N-acetylcytosine | Cl | O-amino acid |
| CF ₃ | O-amino acid | O | 6-N-acetyladenine | Cl | O-amino acid |
| CF ₃ | O-amino acid | O | 2-N-acetyl-8-fluoroguanine | Cl | O-amino acid |
| CF ₃ | O-amino acid | O | 4-N-acetyl-5-fluorocytosine | Cl | O-amino acid |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-fluoroadenine | Cl | O-amino acid |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2,8-difluoroadenine | Cl | O-amino acid |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-aminoadenine | Cl | O-amino acid |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-amino acid |
| CF ₃ | O-amino acid | O | 2-N-acetylaminoadenine | Cl | O-amino acid |
| CF ₃ | O-amino acid | O | 2-N-acetyl-amino-8-fluoroadenine | Cl | O-amino acid |
| CF ₃ | O-amino acid | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Cl | O-amino acid |

| R⁶ | R⁷ | X | Base | R⁸ | R⁹ |
|----------------------|----------------------|----------|---------------------------------------|----------------------|----------------------|
| CF ₃ | O-amino acid | O | 2-N-acetylaminohypoxanthine | Cl | O-amino acid |
| CF ₃ | O-acyl | O | Thymine | Cl | O-amino acid |
| CF ₃ | O-acyl | O | Uracil | Cl | O-amino acid |
| CF ₃ | O-acyl | O | Guanine | Cl | O-amino acid |
| CF ₃ | O-acyl | O | Cytosine | Cl | O-amino acid |
| CF ₃ | O-acyl | O | Adenine | Cl | O-amino acid |
| CF ₃ | O-acyl | O | Hypoxanthine | Cl | O-amino acid |
| CF ₃ | O-acyl | O | 5-Fluorouracil | Cl | O-amino acid |
| CF ₃ | O-acyl | O | 8-Fluoroguanine | Cl | O-amino acid |
| CF ₃ | O-acyl | O | 5-Fluorocytosine | Cl | O-amino acid |
| CF ₃ | O-acyl | O | 8-Fluoroadenine | Cl | O-amino acid |
| CF ₃ | O-acyl | O | 2-Fluoroadenine | Cl | O-amino acid |
| CF ₃ | O-acyl | O | 2,8-Difluoroadenine | Cl | O-amino acid |
| CF ₃ | O-acyl | O | 2-Fluorohypoxanthine | Cl | O-amino acid |
| CF ₃ | O-acyl | O | 8-Fluorohypoxanthine | Cl | O-amino acid |
| CF ₃ | O-acyl | O | 2,8-Difluorohypoxanthine | Cl | O-amino acid |
| CF ₃ | O-acyl | O | 2-Aminoadenine | Cl | O-amino acid |
| CF ₃ | O-acyl | O | 2-Amino-8-fluoroadenine | Cl | O-amino acid |
| CF ₃ | O-acyl | O | 2-Amino-8-fluorohypoxanthine | Cl | O-amino acid |
| CF ₃ | O-acyl | O | 2-Aminohypoxanthine | Cl | O-amino acid |
| CF ₃ | O-acyl | O | 2-N-acetylguanine | Cl | O-amino acid |
| CF ₃ | O-acyl | O | 4-N-acetylcytosine | Cl | O-amino acid |
| CF ₃ | O-acyl | O | 6-N-acetyladenine | Cl | O-amino acid |
| CF ₃ | O-acyl | O | 2-N-acetyl-8-fluoroguanine | Cl | O-amino acid |
| CF ₃ | O-acyl | O | 4-N-acetyl-5-fluorocytosine | Cl | O-amino acid |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-fluoroadenine | Cl | O-amino acid |
| CF ₃ | O-acyl | O | 6-N-acetyl-2,8-difluoroadenine | Cl | O-amino acid |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-aminoadenine | Cl | O-amino acid |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-amino acid |
| CF ₃ | O-acyl | O | 2-N-acetylaminoadenine | Cl | O-amino acid |
| CF ₃ | O-acyl | O | 2-N-acetyl-amino-8-fluoroadenine | Cl | O-amino acid |
| CF ₃ | O-acyl | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Cl | O-amino acid |
| CF ₃ | O-acyl | O | 2-N-acetylaminohypoxanthine | Cl | O-amino acid |
| CF ₃ | OH | O | Thymine | Cl | O-amino acid |
| CF ₃ | OH | O | Uracil | Cl | O-amino acid |
| CF ₃ | OH | O | Guanine | Cl | O-amino acid |
| CF ₃ | OH | O | Cytosine | Cl | O-amino acid |
| CF ₃ | OH | O | Adenine | Cl | O-amino acid |
| CF ₃ | OH | O | Hypoxanthine | Cl | O-amino acid |
| CF ₃ | OH | O | 5-Fluorouracil | Cl | O-amino acid |
| CF ₃ | OH | O | 8-Fluoroguanine | Cl | O-amino acid |
| CF ₃ | OH | O | 5-Fluorocytosine | Cl | O-amino acid |
| CF ₃ | OH | O | 8-Fluoroadenine | Cl | O-amino acid |
| CF ₃ | OH | O | 2-Fluoroadenine | Cl | O-amino acid |
| CF ₃ | OH | O | 2,8-Difluoroadenine | Cl | O-amino acid |
| CF ₃ | OH | O | 2-Fluorohypoxanthine | Cl | O-amino acid |
| CF ₃ | OH | O | 8-Fluorohypoxanthine | Cl | O-amino acid |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CF ₃ | OH | O | 2,8-Difluorohypoxanthine | Cl | O-amino acid |
| CF ₃ | OH | O | 2-Aminoadenine | Cl | O-amino acid |
| CF ₃ | OH | O | 2-Amino-8-fluoroadenine | Cl | O-amino acid |
| CF ₃ | OH | O | 2-Amino-8-fluorohypoxanthine | Cl | O-amino acid |
| CF ₃ | OH | O | 2-Aminohypoxanthine | Cl | O-amino acid |
| CF ₃ | OH | O | 2-N-acetylguanine | Cl | O-amino acid |
| CF ₃ | OH | O | 4-N-acetylcytosine | Cl | O-amino acid |
| CF ₃ | OH | O | 6-N-acetyladenine | Cl | O-amino acid |
| CF ₃ | OH | O | 2-N-acetyl-8-fluoroguanine | Cl | O-amino acid |
| CF ₃ | OH | O | 4-N-acetyl-5-fluorocytosine | Cl | O-amino acid |
| CF ₃ | OH | O | 6-N-acetyl-2-fluoroadenine | Cl | O-amino acid |
| CF ₃ | OH | O | 6-N-acetyl-2,8-difluoroadenine | Cl | O-amino acid |
| CF ₃ | OH | O | 6-N-acetyl-2-aminoadenine | Cl | O-amino acid |
| CF ₃ | OH | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-amino acid |
| CF ₃ | OH | O | 2-N-acetylaminoadenine | Cl | O-amino acid |
| CF ₃ | OH | O | 2-N-acetylamino-8-fluoroadenine | Cl | O-amino acid |
| CF ₃ | OH | O | 2-N-acetylamino-8-fluorohypoxanthine | Cl | O-amino acid |
| CF ₃ | OH | O | 2-N-acetylaminohypoxanthine | Cl | O-amino acid |
| CF ₃ | H | O | Thymine | H | O-amino acid |
| CF ₃ | H | O | Uracil | H | O-amino acid |
| CF ₃ | H | O | Guanine | H | O-amino acid |
| CF ₃ | H | O | Cytosine | H | O-amino acid |
| CF ₃ | H | O | Adenine | H | O-amino acid |
| CF ₃ | H | O | Hypoxanthine | H | O-amino acid |
| CF ₃ | H | O | 5-Fluorouracil | H | O-amino acid |
| CF ₃ | H | O | 8-Fluoroguanine | H | O-amino acid |
| CF ₃ | H | O | 5-Fluorocytosine | H | O-amino acid |
| CF ₃ | H | O | 8-Fluoroadenine | H | O-amino acid |
| CF ₃ | H | O | 2-Fluoroadenine | H | O-amino acid |
| CF ₃ | H | O | 2,8-Difluoroadenine | H | O-amino acid |
| CF ₃ | H | O | 2-Fluorohypoxanthine | H | O-amino acid |
| CF ₃ | H | O | 8-Fluorohypoxanthine | H | O-amino acid |
| CF ₃ | H | O | 2,8-Difluorohypoxanthine | H | O-amino acid |
| CF ₃ | H | O | 2-Aminoadenine | H | O-amino acid |
| CF ₃ | H | O | 2-Amino-8-fluoroadenine | H | O-amino acid |
| CF ₃ | H | O | 2-Amino-8-fluorohypoxanthine | H | O-amino acid |
| CF ₃ | H | O | 2-Aminohypoxanthine | H | O-amino acid |
| CF ₃ | H | O | 2-N-acetylguanine | H | O-amino acid |
| CF ₃ | H | O | 4-N-acetylcytosine | H | O-amino acid |
| CF ₃ | H | O | 6-N-acetyladenine | H | O-amino acid |
| CF ₃ | H | O | 2-N-acetyl-8-fluoroguanine | H | O-amino acid |
| CF ₃ | H | O | 4-N-acetyl-5-fluorocytosine | H | O-amino acid |
| CF ₃ | H | O | 6-N-acetyl-2-fluoroadenine | H | O-amino acid |
| CF ₃ | H | O | 6-N-acetyl-2,8-difluoroadenine | H | O-amino acid |
| CF ₃ | H | O | 6-N-acetyl-2-aminoadenine | H | O-amino acid |
| CF ₃ | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-amino acid |
| CF ₃ | H | O | 2-N-acetylaminoadenine | H | O-amino acid |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CF ₃ | H | O | 2-N-acetyl-amino-8-fluoroadenine | H | O-amino acid |
| CF ₃ | H | O | 2-N-acetyl-amino-8-fluorohypoxanthine | H | O-amino acid |
| CF ₃ | H | O | 2-N-acetylaminohypoxanthine | H | O-amino acid |
| CF ₃ | O-amino acid | O | Thymine | H | O-amino acid |
| CF ₃ | O-amino acid | O | Uracil | H | O-amino acid |
| CF ₃ | O-amino acid | O | Guanine | H | O-amino acid |
| CF ₃ | O-amino acid | O | Cytosine | H | O-amino acid |
| CF ₃ | O-amino acid | O | Adenine | H | O-amino acid |
| CF ₃ | O-amino acid | O | Hypoxanthine | H | O-amino acid |
| CF ₃ | O-amino acid | O | 5-Fluorouracil | H | O-amino acid |
| CF ₃ | O-amino acid | O | 8-Fluoroguanine | H | O-amino acid |
| CF ₃ | O-amino acid | O | 5-Fluorocytosine | H | O-amino acid |
| CF ₃ | O-amino acid | O | 8-Fluoroadenine | H | O-amino acid |
| CF ₃ | O-amino acid | O | 2-Fluoroadenine | H | O-amino acid |
| CF ₃ | O-amino acid | O | 2,8-Difluoroadenine | H | O-amino acid |
| CF ₃ | O-amino acid | O | 2-Fluorohypoxanthine | H | O-amino acid |
| CF ₃ | O-amino acid | O | 8-Fluorohypoxanthine | H | O-amino acid |
| CF ₃ | O-amino acid | O | 2,8-Difluorohypoxanthine | H | O-amino acid |
| CF ₃ | O-amino acid | O | 2-Amino adenine | H | O-amino acid |
| CF ₃ | O-amino acid | O | 2-Amino-8-fluoroadenine | H | O-amino acid |
| CF ₃ | O-amino acid | O | 2-Amino-8-fluorohypoxanthine | H | O-amino acid |
| CF ₃ | O-amino acid | O | 2-Aminohypoxanthine | H | O-amino acid |
| CF ₃ | O-amino acid | O | 2-N-acetyl-guanine | H | O-amino acid |
| CF ₃ | O-amino acid | O | 4-N-acetylcytosine | H | O-amino acid |
| CF ₃ | O-amino acid | O | 6-N-acetyl adenine | H | O-amino acid |
| CF ₃ | O-amino acid | O | 2-N-acetyl-8-fluoroguanine | H | O-amino acid |
| CF ₃ | O-amino acid | O | 4-N-acetyl-5-fluorocytosine | H | O-amino acid |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-fluoroadenine | H | O-amino acid |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2,8-difluoroadenine | H | O-amino acid |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-amino adenine | H | O-amino acid |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-amino acid |
| CF ₃ | O-amino acid | O | 2-N-acetylaminoadenine | H | O-amino acid |
| CF ₃ | O-amino acid | O | 2-N-acetyl-amino-8-fluoroadenine | H | O-amino acid |
| CF ₃ | O-amino acid | O | 2-N-acetyl-amino-8-fluorohypoxanthine | H | O-amino acid |
| CF ₃ | O-amino acid | O | 2-N-acetylaminohypoxanthine | H | O-amino acid |
| CF ₃ | O-acyl | O | Thymine | H | O-amino acid |
| CF ₃ | O-acyl | O | Uracil | H | O-amino acid |
| CF ₃ | O-acyl | O | Guanine | H | O-amino acid |
| CF ₃ | O-acyl | O | Cytosine | H | O-amino acid |
| CF ₃ | O-acyl | O | Adenine | H | O-amino acid |
| CF ₃ | O-acyl | O | Hypoxanthine | H | O-amino acid |
| CF ₃ | O-acyl | O | 5-Fluorouracil | H | O-amino acid |
| CF ₃ | O-acyl | O | 8-Fluoroguanine | H | O-amino acid |
| CF ₃ | O-acyl | O | 5-Fluorocytosine | H | O-amino acid |
| CF ₃ | O-acyl | O | 8-Fluoroadenine | H | O-amino acid |
| CF ₃ | O-acyl | O | 2-Fluoroadenine | H | O-amino acid |
| CF ₃ | O-acyl | O | 2,8-Difluoroadenine | H | O-amino acid |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CF ₃ | O-acyl | O | 2-Fluorohypoxanthine | H | O-amino acid |
| CF ₃ | O-acyl | O | 8-Fluorohypoxanthine | H | O-amino acid |
| CF ₃ | O-acyl | O | 2,8-Difluorohypoxanthine | H | O-amino acid |
| CF ₃ | O-acyl | O | 2-Aminoadenine | H | O-amino acid |
| CF ₃ | O-acyl | O | 2-Amino-8-fluoroadenine | H | O-amino acid |
| CF ₃ | O-acyl | O | 2-Amino-8-fluorohypoxanthine | H | O-amino acid |
| CF ₃ | O-acyl | O | 2-Aminohypoxanthine | H | O-amino acid |
| CF ₃ | O-acyl | O | 2-N-acetylguanine | H | O-amino acid |
| CF ₃ | O-acyl | O | 4-N-acetylcytosine | H | O-amino acid |
| CF ₃ | O-acyl | O | 6-N-acetyladenine | H | O-amino acid |
| CF ₃ | O-acyl | O | 2-N-acetyl-8-fluoroguanine | H | O-amino acid |
| CF ₃ | O-acyl | O | 4-N-acetyl-5-fluorocytosine | H | O-amino acid |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-fluoroadenine | H | O-amino acid |
| CF ₃ | O-acyl | O | 6-N-acetyl-2,8-difluoroadenine | H | O-amino acid |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-aminoadenine | H | O-amino acid |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-amino acid |
| CF ₃ | O-acyl | O | 2-N-acetylaminoadenine | H | O-amino acid |
| CF ₃ | O-acyl | O | 2-N-acetyl-amino-8-fluoroadenine | H | O-amino acid |
| CF ₃ | O-acyl | O | 2-N-acetyl-amino-8-fluorohypoxanthine | H | O-amino acid |
| CF ₃ | O-acyl | O | 2-N-acetylaminohypoxanthine | H | O-amino acid |
| CF ₃ | OH | O | Thymine | H | O-amino acid |
| CF ₃ | OH | O | Uracil | H | O-amino acid |
| CF ₃ | OH | O | Guanine | H | O-amino acid |
| CF ₃ | OH | O | Cytosine | H | O-amino acid |
| CF ₃ | OH | O | Adenine | H | O-amino acid |
| CF ₃ | OH | O | Hypoxanthine | H | O-amino acid |
| CF ₃ | OH | O | 5-Fluorouracil | H | O-amino acid |
| CF ₃ | OH | O | 8-Fluoroguanine | H | O-amino acid |
| CF ₃ | OH | O | 5-Fluorocytosine | H | O-amino acid |
| CF ₃ | OH | O | 8-Fluoroadenine | H | O-amino acid |
| CF ₃ | OH | O | 2-Fluoroadenine | H | O-amino acid |
| CF ₃ | OH | O | 2,8-Difluoroadenine | H | O-amino acid |
| CF ₃ | OH | O | 2-Fluorohypoxanthine | H | O-amino acid |
| CF ₃ | OH | O | 8-Fluorohypoxanthine | H | O-amino acid |
| CF ₃ | OH | O | 2,8-Difluorohypoxanthine | H | O-amino acid |
| CF ₃ | OH | O | 2-Aminoadenine | H | O-amino acid |
| CF ₃ | OH | O | 2-Amino-8-fluoroadenine | H | O-amino acid |
| CF ₃ | OH | O | 2-Amino-8-fluorohypoxanthine | H | O-amino acid |
| CF ₃ | OH | O | 2-Aminohypoxanthine | H | O-amino acid |
| CF ₃ | OH | O | 2-N-acetylguanine | H | O-amino acid |
| CF ₃ | OH | O | 4-N-acetylcytosine | H | O-amino acid |
| CF ₃ | OH | O | 6-N-acetyladenine | H | O-amino acid |
| CF ₃ | OH | O | 2-N-acetyl-8-fluoroguanine | H | O-amino acid |
| CF ₃ | OH | O | 4-N-acetyl-5-fluorocytosine | H | O-amino acid |
| CF ₃ | OH | O | 6-N-acetyl-2-fluoroadenine | H | O-amino acid |
| CF ₃ | OH | O | 6-N-acetyl-2,8-difluoroadenine | H | O-amino acid |
| CF ₃ | OH | O | 6-N-acetyl-2-aminoadenine | H | O-amino acid |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---|----------------|----------------|
| CF ₃ | OH | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-amino acid |
| CF ₃ | OH | O | 2-N-acetylaminoadenine | H | O-amino acid |
| CF ₃ | OH | O | 2-N-acetyl-2-amino-8-fluoroadenine | H | O-amino acid |
| CF ₃ | OH | O | 2-N-acetyl-2-amino-8-fluorohypoxanthine | H | O-amino acid |
| CF ₃ | OH | O | 2-N-acetylaminohypoxanthine | H | O-amino acid |
| CF ₃ | H | O | Thymine | OH | O-amino acid |
| CF ₃ | H | O | Uracil | OH | O-amino acid |
| CF ₃ | H | O | Guanine | OH | O-amino acid |
| CF ₃ | H | O | Cytosine | OH | O-amino acid |
| CF ₃ | H | O | Adenine | OH | O-amino acid |
| CF ₃ | H | O | Hypoxanthine | OH | O-amino acid |
| CF ₃ | H | O | 5-Fluorouracil | OH | O-amino acid |
| CF ₃ | H | O | 8-Fluoroguanine | OH | O-amino acid |
| CF ₃ | H | O | 5-Fluorocytosine | OH | O-amino acid |
| CF ₃ | H | O | 8-Fluoroadenine | OH | O-amino acid |
| CF ₃ | H | O | 2-Fluoroadenine | OH | O-amino acid |
| CF ₃ | H | O | 2,8-Difluoroadenine | OH | O-amino acid |
| CF ₃ | H | O | 2-Fluorohypoxanthine | OH | O-amino acid |
| CF ₃ | H | O | 8-Fluorohypoxanthine | OH | O-amino acid |
| CF ₃ | H | O | 2,8-Difluorohypoxanthine | OH | O-amino acid |
| CF ₃ | H | O | 2-Aminoadenine | OH | O-amino acid |
| CF ₃ | H | O | 2-Amino-8-fluoroadenine | OH | O-amino acid |
| CF ₃ | H | O | 2-Amino-8-fluorohypoxanthine | OH | O-amino acid |
| CF ₃ | H | O | 2-Aminohypoxanthine | OH | O-amino acid |
| CF ₃ | H | O | 2-N-acetylguanine | OH | O-amino acid |
| CF ₃ | H | O | 4-N-acetylcytosine | OH | O-amino acid |
| CF ₃ | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | OH | O-amino acid |
| CF ₃ | H | O | 2-N-acetyl-8-fluoroguanine | OH | O-amino acid |
| CF ₃ | H | O | 4-N-acetyl-5-fluorocytosine | OH | O-amino acid |
| CF ₃ | H | O | 6-N-acetyl-2-fluoroadenine | OH | O-amino acid |
| CF ₃ | H | O | 6-N-acetyl-2,8-difluoroadenine | OH | O-amino acid |
| CF ₃ | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | OH | O-amino acid |
| CF ₃ | H | O | 2-N-acetylaminoadenine | OH | O-amino acid |
| CF ₃ | H | O | 2-N-acetyl-2-amino-8-fluoroadenine | OH | O-amino acid |
| CF ₃ | H | O | 2-N-acetyl-2-amino-8-fluorohypoxanthine | OH | O-amino acid |
| CF ₃ | H | O | 2-N-acetylaminohypoxanthine | OH | OH |
| CF ₃ | O-amino acid | O | Thymine | F | OH |
| CF ₃ | O-amino acid | O | Uracil | F | OH |
| CF ₃ | O-amino acid | O | Guanine | F | OH |
| CF ₃ | O-amino acid | O | Cytosine | F | OH |
| CF ₃ | O-amino acid | O | Adenine | F | OH |
| CF ₃ | O-amino acid | O | Hypoxanthine | F | OH |
| CF ₃ | O-amino acid | O | 5-Fluorouracil | F | OH |
| CF ₃ | O-amino acid | O | 8-Fluoroguanine | F | OH |
| CF ₃ | O-amino acid | O | 5-Fluorocytosine | F | OH |
| CF ₃ | O-amino acid | O | 8-Fluoroadenine | F | OH |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CF ₃ | O-amino acid | O | 2-Fluoroadenine | F | OH |
| CF ₃ | O-amino acid | O | 2,8-Difluoroadenine | F | OH |
| CF ₃ | O-amino acid | O | 2-Fluorohypoxanthine | F | OH |
| CF ₃ | O-amino acid | O | 8-Fluorohypoxanthine | F | OH |
| CF ₃ | O-amino acid | O | 2,8-Difluorohypoxanthine | F | OH |
| CF ₃ | O-amino acid | O | 2-Aminoadenine | F | OH |
| CF ₃ | O-amino acid | O | 2-Amino-8-fluoroadenine | F | OH |
| CF ₃ | O-amino acid | O | 2-Amino-8-fluorohypoxanthine | F | OH |
| CF ₃ | O-amino acid | O | 2-Aminohypoxanthine | F | OH |
| CF ₃ | O-amino acid | O | 2-N-acetylguanine | F | OH |
| CF ₃ | O-amino acid | O | 4-N-acetylcytosine | F | OH |
| CF ₃ | O-amino acid | O | 6-N-acetyladenine | F | OH |
| CF ₃ | O-amino acid | O | 2-N-acetyl-8-fluoroguanine | F | OH |
| CF ₃ | O-amino acid | O | 4-N-acetyl-5-fluorocytosine | F | OH |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-fluoroadenine | F | OH |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2,8-difluoroadenine | F | OH |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-aminoadenine | F | OH |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | OH |
| CF ₃ | O-amino acid | O | 2-N-acetylaminoadenine | F | OH |
| CF ₃ | O-amino acid | O | 2-N-acetyl-amino-8-fluoroadenine | F | OH |
| CF ₃ | O-amino acid | O | 2-N-acetyl-amino-8-fluorohypoxanthine | F | OH |
| CF ₃ | O-amino acid | O | 2-N-acetylaminohypoxanthine | F | OH |
| CF ₃ | O-acyl | O | Thymine | F | OH |
| CF ₃ | O-acyl | O | Uracil | F | OH |
| CF ₃ | O-acyl | O | Guanine | F | OH |
| CF ₃ | O-acyl | O | Cytosine | F | OH |
| CF ₃ | O-acyl | O | Adenine | F | OH |
| CF ₃ | O-acyl | O | Hypoxanthine | F | OH |
| CF ₃ | O-acyl | O | 5-Fluorouracil | F | OH |
| CF ₃ | O-acyl | O | 8-Fluoroguanine | F | OH |
| CF ₃ | O-acyl | O | 5-Fluorocytosine | F | OH |
| CF ₃ | O-acyl | O | 8-Fluoroadenine | F | OH |
| CF ₃ | O-acyl | O | 2-Fluoroadenine | F | OH |
| CF ₃ | O-acyl | O | 2,8-Difluoroadenine | F | OH |
| CF ₃ | O-acyl | O | 2-Fluorohypoxanthine | F | OH |
| CF ₃ | O-acyl | O | 8-Fluorohypoxanthine | F | OH |
| CF ₃ | O-acyl | O | 2,8-Difluorohypoxanthine | F | OH |
| CF ₃ | O-acyl | O | 2-Aminoadenine | F | OH |
| CF ₃ | O-acyl | O | 2-Amino-8-fluoroadenine | F | OH |
| CF ₃ | O-acyl | O | 2-Amino-8-fluorohypoxanthine | F | OH |
| CF ₃ | O-acyl | O | 2-Aminohypoxanthine | F | OH |
| CF ₃ | O-acyl | O | 2-N-acetylguanine | F | OH |
| CF ₃ | O-acyl | O | 4-N-acetylcytosine | F | OH |
| CF ₃ | O-acyl | O | 6-N-acetyladenine | F | OH |
| CF ₃ | O-acyl | O | 2-N-acetyl-8-fluoroguanine | F | OH |
| CF ₃ | O-acyl | O | 4-N-acetyl-5-fluorocytosine | F | OH |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-fluoroadenine | F | OH |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CF ₃ | O-acyl | O | 6-N-acetyl-2,8-difluoroadenine | F | OH |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-aminoadenine | F | OH |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | OH |
| CF ₃ | O-acyl | O | 2-N-acetylaminoadenine | F | OH |
| CF ₃ | O-acyl | O | 2-N-acetyl-amino-8-fluoroadenine | F | OH |
| CF ₃ | O-acyl | O | 2-N-acetyl-amino-8-fluorohypoxanthine | F | OH |
| CF ₃ | O-acyl | O | 2-N-acetylaminohypoxanthine | F | OH |
| CF ₃ | O-amino acid | O | Thymine | Br | OH |
| CF ₃ | O-amino acid | O | Uracil | Br | OH |
| CF ₃ | O-amino acid | O | Guanine | Br | OH |
| CF ₃ | O-amino acid | O | Cytosine | Br | OH |
| CF ₃ | O-amino acid | O | Adenine | Br | OH |
| CF ₃ | O-amino acid | O | Hypoxanthine | Br | OH |
| CF ₃ | O-amino acid | O | 5-Fluorouracil | Br | OH |
| CF ₃ | O-amino acid | O | 8-Fluoroguanine | Br | OH |
| CF ₃ | O-amino acid | O | 5-Fluorocytosine | Br | OH |
| CF ₃ | O-amino acid | O | 8-Fluoroadenine | Br | OH |
| CF ₃ | O-amino acid | O | 2-Fluoroadenine | Br | OH |
| CF ₃ | O-amino acid | O | 2,8-Difluoroadenine | Br | OH |
| CF ₃ | O-amino acid | O | 2-Fluorohypoxanthine | Br | OH |
| CF ₃ | O-amino acid | O | 8-Fluorohypoxanthine | Br | OH |
| CF ₃ | O-amino acid | O | 2,8-Difluorohypoxanthine | Br | OH |
| CF ₃ | O-amino acid | O | 2-Aminoadenine | Br | OH |
| CF ₃ | O-amino acid | O | 2-Amino-8-fluoroadenine | Br | OH |
| CF ₃ | O-amino acid | O | 2-Amino-8-fluorohypoxanthine | Br | OH |
| CF ₃ | O-amino acid | O | 2-Aminohypoxanthine | Br | OH |
| CF ₃ | O-amino acid | O | 2-N-acetylguanine | Br | OH |
| CF ₃ | O-amino acid | O | 4-N-acetylcytosine | Br | OH |
| CF ₃ | O-amino acid | O | 6-N-acetyl-adenine | Br | OH |
| CF ₃ | O-amino acid | O | 2-N-acetyl-8-fluoroguanine | Br | OH |
| CF ₃ | O-amino acid | O | 4-N-acetyl-5-fluorocytosine | Br | OH |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-fluoroadenine | Br | OH |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2,8-difluoroadenine | Br | OH |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-aminoadenine | Br | OH |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | OH |
| CF ₃ | O-amino acid | O | 2-N-acetylaminoadenine | Br | OH |
| CF ₃ | O-amino acid | O | 2-N-acetyl-amino-8-fluoroadenine | Br | OH |
| CF ₃ | O-amino acid | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Br | OH |
| CF ₃ | O-amino acid | O | 2-N-acetylaminohypoxanthine | Br | OH |
| CF ₃ | O-acyl | O | Thymine | Br | OH |
| CF ₃ | O-acyl | O | Uracil | Br | OH |
| CF ₃ | O-acyl | O | Guanine | Br | OH |
| CF ₃ | O-acyl | O | Cytosine | Br | OH |
| CF ₃ | O-acyl | O | Adenine | Br | OH |
| CF ₃ | O-acyl | O | Hypoxanthine | Br | OH |
| CF ₃ | O-acyl | O | 5-Fluorouracil | Br | OH |
| CF ₃ | O-acyl | O | 8-Fluoroguanine | Br | OH |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CF ₃ | O-acyl | O | 5-Fluorocytosine | Br | OH |
| CF ₃ | O-acyl | O | 8-Fluoroadenine | Br | OH |
| CF ₃ | O-acyl | O | 2-Fluoroadenine | Br | OH |
| CF ₃ | O-acyl | O | 2,8-Difluoroadenine | Br | OH |
| CF ₃ | O-acyl | O | 2-Fluorohypoxanthine | Br | OH |
| CF ₃ | O-acyl | O | 8-Fluorohypoxanthine | Br | OH |
| CF ₃ | O-acyl | O | 2,8-Difluorohypoxanthine | Br | OH |
| CF ₃ | O-acyl | O | 2-Aminoadenine | Br | OH |
| CF ₃ | O-acyl | O | 2-Amino-8-fluoroadenine | Br | OH |
| CF ₃ | O-acyl | O | 2-Amino-8-fluorohypoxanthine | Br | OH |
| CF ₃ | O-acyl | O | 2-Aminohypoxanthine | Br | OH |
| CF ₃ | O-acyl | O | 2-N-acetylguanine | Br | OH |
| CF ₃ | O-acyl | O | 4-N-acetylcytosine | Br | OH |
| CF ₃ | O-acyl | O | 6-N-acetyladenine | Br | OH |
| CF ₃ | O-acyl | O | 2-N-acetyl-8-fluoroguanine | Br | OH |
| CF ₃ | O-acyl | O | 4-N-acetyl-5-fluorocytosine | Br | OH |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-fluoroadenine | Br | OH |
| CF ₃ | O-acyl | O | 6-N-acetyl-2,8-difluoroadenine | Br | OH |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-aminoadenine | Br | OH |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | OH |
| CF ₃ | O-acyl | O | 2-N-acetylaminoadenine | Br | OH |
| CF ₃ | O-acyl | O | 2-N-acetylamino-8-fluoroadenine | Br | OH |
| CF ₃ | O-acyl | O | 2-N-acetylamino-8-fluorohypoxanthine | Br | OH |
| CF ₃ | O-acyl | O | 2-N-acetylaminohypoxanthine | Br | OH |
| CF ₃ | O-amino acid | O | Thymine | Cl | OH |
| CF ₃ | O-amino acid | O | Uracil | Cl | OH |
| CF ₃ | O-amino acid | O | Guanine | Cl | OH |
| CF ₃ | O-amino acid | O | Cytosine | Cl | OH |
| CF ₃ | O-amino acid | O | Adenine | Cl | OH |
| CF ₃ | O-amino acid | O | Hypoxanthine | Cl | OH |
| CF ₃ | O-amino acid | O | 5-Fluorouracil | Cl | OH |
| CF ₃ | O-amino acid | O | 8-Fluoroguanine | Cl | OH |
| CF ₃ | O-amino acid | O | 5-Fluorocytosine | Cl | OH |
| CF ₃ | O-amino acid | O | 8-Fluoroadenine | Cl | OH |
| CF ₃ | O-amino acid | O | 2-Fluoroadenine | Cl | OH |
| CF ₃ | O-amino acid | O | 2,8-Difluoroadenine | Cl | OH |
| CF ₃ | O-amino acid | O | 2-Fluorohypoxanthine | Cl | OH |
| CF ₃ | O-amino acid | O | 8-Fluorohypoxanthine | Cl | OH |
| CF ₃ | O-amino acid | O | 2,8-Difluorohypoxanthine | Cl | OH |
| CF ₃ | O-amino acid | O | 2-Aminoadenine | Cl | OH |
| CF ₃ | O-amino acid | O | 2-Amino-8-fluoroadenine | Cl | OH |
| CF ₃ | O-amino acid | O | 2-Amino-8-fluorohypoxanthine | Cl | OH |
| CF ₃ | O-amino acid | O | 2-Aminohypoxanthine | Cl | OH |
| CF ₃ | O-amino acid | O | 2-N-acetylguanine | Cl | OH |
| CF ₃ | O-amino acid | O | 4-N-acetylcytosine | Cl | OH |
| CF ₃ | O-amino acid | O | 6-N-acetyladenine | Cl | OH |
| CF ₃ | O-amino acid | O | 2-N-acetyl-8-fluoroguanine | Cl | OH |

| R⁶ | R⁷ | X | Base | R⁸ | R⁹ |
|----------------------|----------------------|----------|--------------------------------------|----------------------|----------------------|
| CF ₃ | O-amino acid | O | 4-N-acetyl-5-fluorocytosine | Cl | OH |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-fluoroadenine | Cl | OH |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2,8-difluoroadenine | Cl | OH |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-aminoadenine | Cl | OH |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | OH |
| CF ₃ | O-amino acid | O | 2-N-acetylaminoadenine | Cl | OH |
| CF ₃ | O-amino acid | O | 2-N-acetylamino-8-fluoroadenine | Cl | OH |
| CF ₃ | O-amino acid | O | 2-N-acetylamino-8-fluorohypoxanthine | Cl | OH |
| CF ₃ | O-amino acid | O | 2-N-acetylaminohypoxanthine | Cl | OH |
| CF ₃ | O-acyl | O | Thymine | Cl | OH |
| CF ₃ | O-acyl | O | Uracil | Cl | OH |
| CF ₃ | O-acyl | O | Guanine | Cl | OH |
| CF ₃ | O-acyl | O | Cytosine | Cl | OH |
| CF ₃ | O-acyl | O | Adenine | Cl | OH |
| CF ₃ | O-acyl | O | Hypoxanthine | Cl | OH |
| CF ₃ | O-acyl | O | 5-Fluorouracil | Cl | OH |
| CF ₃ | O-acyl | O | 8-Fluoroguanine | Cl | OH |
| CF ₃ | O-acyl | O | 5-Fluorocytosine | Cl | OH |
| CF ₃ | O-acyl | O | 8-Fluoroadenine | Cl | OH |
| CF ₃ | O-acyl | O | 2-Fluoroadenine | Cl | OH |
| CF ₃ | O-acyl | O | 2,8-Difluoroadenine | Cl | OH |
| CF ₃ | O-acyl | O | 2-Fluorohypoxanthine | Cl | OH |
| CF ₃ | O-acyl | O | 8-Fluorohypoxanthine | Cl | OH |
| CF ₃ | O-acyl | O | 2,8-Difluorohypoxanthine | Cl | OH |
| CF ₃ | O-acyl | O | 2-Aminoadenine | Cl | OH |
| CF ₃ | O-acyl | O | 2-Amino-8-fluoroadenine | Cl | OH |
| CF ₃ | O-acyl | O | 2-Amino-8-fluorohypoxanthine | Cl | OH |
| CF ₃ | O-acyl | O | 2-Aminohypoxanthine | Cl | OH |
| CF ₃ | O-acyl | O | 2-N-acetylguanine | Cl | OH |
| CF ₃ | O-acyl | O | 4-N-acetylcytosine | Cl | OH |
| CF ₃ | O-acyl | O | 6-N-acetyladenine | Cl | OH |
| CF ₃ | O-acyl | O | 2-N-acetyl-8-fluoroguanine | Cl | OH |
| CF ₃ | O-acyl | O | 4-N-acetyl-5-fluorocytosine | Cl | OH |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-fluoroadenine | Cl | OH |
| CF ₃ | O-acyl | O | 6-N-acetyl-2,8-difluoroadenine | Cl | OH |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-aminoadenine | Cl | OH |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | OH |
| CF ₃ | O-acyl | O | 2-N-acetylaminoadenine | Cl | OH |
| CF ₃ | O-acyl | O | 2-N-acetylamino-8-fluoroadenine | Cl | OH |
| CF ₃ | O-acyl | O | 2-N-acetylamino-8-fluorohypoxanthine | Cl | OH |
| CF ₃ | O-acyl | O | 2-N-acetylaminohypoxanthine | Cl | OH |
| CF ₃ | O-amino acid | O | Thymine | H | OH |
| CF ₃ | O-amino acid | O | Uracil | H | OH |
| CF ₃ | O-amino acid | O | Guanine | H | OH |
| CF ₃ | O-amino acid | O | Cytosine | H | OH |
| CF ₃ | O-amino acid | O | Adenine | H | OH |
| CF ₃ | O-amino acid | O | Hypoxanthine | H | OH |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CF ₃ | O-amino acid | O | 5-Fluorouracil | H | OH |
| CF ₃ | O-amino acid | O | 8-Fluoroguanine | H | OH |
| CF ₃ | O-amino acid | O | 5-Fluorocytosine | H | OH |
| CF ₃ | O-amino acid | O | 8-Fluoroadenine | H | OH |
| CF ₃ | O-amino acid | O | 2-Fluoroadenine | H | OH |
| CF ₃ | O-amino acid | O | 2,8-Difluoroadenine | H | OH |
| CF ₃ | O-amino acid | O | 2-Fluorohypoxanthine | H | OH |
| CF ₃ | O-amino acid | O | 8-Fluorohypoxanthine | H | OH |
| CF ₃ | O-amino acid | O | 2,8-Difluorohypoxanthine | H | OH |
| CF ₃ | O-amino acid | O | 2-Amino adenine | H | OH |
| CF ₃ | O-amino acid | O | 2-Amino-8-fluoroadenine | H | OH |
| CF ₃ | O-amino acid | O | 2-Amino-8-fluorohypoxanthine | H | OH |
| CF ₃ | O-amino acid | O | 2-Aminohypoxanthine | H | OH |
| CF ₃ | O-amino acid | O | 2-N-acetylguanine | H | OH |
| CF ₃ | O-amino acid | O | 4-N-acetylcytosine | H | OH |
| CF ₃ | O-amino acid | O | 6-N-acetyl adenine | H | OH |
| CF ₃ | O-amino acid | O | 2-N-acetyl-8-fluoroguanine | H | OH |
| CF ₃ | O-amino acid | O | 4-N-acetyl-5-fluorocytosine | H | OH |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-fluoroadenine | H | OH |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2,8-difluoroadenine | H | OH |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-amino adenine | H | OH |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | OH |
| CF ₃ | O-amino acid | O | 2-N-acetylaminoadenine | H | OH |
| CF ₃ | O-amino acid | O | 2-N-acetyl-amino-8-fluoroadenine | H | OH |
| CF ₃ | O-amino acid | O | 2-N-acetyl-amino-8-fluorohypoxanthine | H | OH |
| CF ₃ | O-amino acid | O | 2-N-acetylaminohypoxanthine | H | OH |
| CF ₃ | O-acyl | O | Thymine | H | OH |
| CF ₃ | O-acyl | O | Uracil | H | OH |
| CF ₃ | O-acyl | O | Guanine | H | OH |
| CF ₃ | O-acyl | O | Cytosine | H | OH |
| CF ₃ | O-acyl | O | Adenine | H | OH |
| CF ₃ | O-acyl | O | Hypoxanthine | H | OH |
| CF ₃ | O-acyl | O | 5-Fluorouracil | H | OH |
| CF ₃ | O-acyl | O | 8-Fluoroguanine | H | OH |
| CF ₃ | O-acyl | O | 5-Fluorocytosine | H | OH |
| CF ₃ | O-acyl | O | 8-Fluoroadenine | H | OH |
| CF ₃ | O-acyl | O | 2-Fluoroadenine | H | OH |
| CF ₃ | O-acyl | O | 2,8-Difluoroadenine | H | OH |
| CF ₃ | O-acyl | O | 2-Fluorohypoxanthine | H | OH |
| CF ₃ | O-acyl | O | 8-Fluorohypoxanthine | H | OH |
| CF ₃ | O-acyl | O | 2,8-Difluorohypoxanthine | H | OH |
| CF ₃ | O-acyl | O | 2-Amino adenine | H | OH |
| CF ₃ | O-acyl | O | 2-Amino-8-fluoroadenine | H | OH |
| CF ₃ | O-acyl | O | 2-Amino-8-fluorohypoxanthine | H | OH |
| CF ₃ | O-acyl | O | 2-Aminohypoxanthine | H | OH |
| CF ₃ | O-acyl | O | 2-N-acetylguanine | H | OH |
| CF ₃ | O-acyl | O | 4-N-acetylcytosine | H | OH |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CF ₃ | O-acyl | O | 6-N-acetyl adenine | H | OH |
| CF ₃ | O-acyl | O | 2-N-acetyl-8-fluoroguanine | H | OH |
| CF ₃ | O-acyl | O | 4-N-acetyl-5-fluorocytosine | H | OH |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-fluoroadenine | H | OH |
| CF ₃ | O-acyl | O | 6-N-acetyl-2,8-difluoroadenine | H | OH |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-amino adenine | H | OH |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | OH |
| CF ₃ | O-acyl | O | 2-N-acetyl amino adenine | H | OH |
| CF ₃ | O-acyl | O | 2-N-acetyl amino-8-fluoroadenine | H | OH |
| CF ₃ | O-acyl | O | 2-N-acetyl amino-8-fluorohypoxanthine | H | OH |
| CF ₃ | O-acyl | O | 2-N-acetyl aminohypoxanthine | H | H |
| CF ₃ | O-amino acid | O | Thymine | O-amino acid | H |
| CF ₃ | O-amino acid | O | Uracil | O-amino acid | H |
| CF ₃ | O-amino acid | O | Guanine | O-amino acid | H |
| CF ₃ | O-amino acid | O | Cytosine | O-amino acid | H |
| CF ₃ | O-amino acid | O | Adenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | Hypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 5-Fluorouracil | O-amino acid | H |
| CF ₃ | O-amino acid | O | 8-Fluoroguanine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 5-Fluorocytosine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 8-Fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-Fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2,8-Difluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-Fluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 8-Fluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2,8-Difluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-Amino adenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-Amino-8-fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-Amino-8-fluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-Aminohypoxanthine | O-amino | H |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| | | | | acid | |
| CF ₃ | O-amino acid | O | 2-N-acetylguanine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 4-N-acetylcytosine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 6-N-acetyladenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-N-acetyl-8-fluoroguanine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 4-N-acetyl-5-fluorocytosine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2,8-difluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-aminoadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-amino-8-fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-N-acetylaminoadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-N-acetyl-amino-8-fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-N-acetyl-amino-8-fluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-N-acetylaminohypoxanthine | O-amino acid | H |
| CF ₃ | O-acyl | O | Thymine | O-acyl | H |
| CF ₃ | O-acyl | O | Uracil | O-acyl | H |
| CF ₃ | O-acyl | O | Guanine | O-acyl | H |
| CF ₃ | O-acyl | O | Cytosine | O-acyl | H |
| CF ₃ | O-acyl | O | Adenine | O-acyl | H |
| CF ₃ | O-acyl | O | Hypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | O | 5-Fluorouracil | O-acyl | H |
| CF ₃ | O-acyl | O | 8-Fluoroguanine | O-acyl | H |
| CF ₃ | O-acyl | O | 5-Fluorocytosine | O-acyl | H |
| CF ₃ | O-acyl | O | 8-Fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-Fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 2,8-Difluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-Fluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | O | 8-Fluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | O | 2,8-Difluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-Aminoadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-Amino-8-fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-Amino-8-fluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-Aminohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-N-acetylguanine | O-acyl | H |
| CF ₃ | O-acyl | O | 4-N-acetylcytosine | O-acyl | H |

| R⁶ | R⁷ | X | Base | R⁸ | R⁹ |
|----------------------|----------------------|----------|-------------------------------------|----------------------|----------------------|
| CF ₃ | O-acyl | O | 6-N-acetyladenine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-N-acetyl-8-fluoroguanine | O-acyl | H |
| CF ₃ | O-acyl | O | 4-N-acetyl-5-fluorocytosine | O-acyl | H |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 6-N-acetyl-2,8-difluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-aminoadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-amino-8-fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-N-acetylaminoadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-N-acetyl-amino-8-fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-N-acetylamin-8-fluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-N-acetylaminohypoxanthine | O-acyl | H |
| CF ₃ | O-amino acid | O | Thymine | O-amino acid | H |
| CF ₃ | O-amino acid | O | Uracil | O-amino acid | H |
| CF ₃ | O-amino acid | O | Guanine | O-amino acid | H |
| CF ₃ | O-amino acid | O | Cytosine | O-amino acid | H |
| CF ₃ | O-amino acid | O | Adenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | Hypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 5-Fluorouracil | O-amino acid | H |
| CF ₃ | O-amino acid | O | 8-Fluoroguanine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 5-Fluorocytosine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 8-Fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-Fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2,8-Difluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-Fluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 8-Fluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2,8-Difluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-Aminoadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-Amino-8-fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-Amino-8-fluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-Aminohypoxanthine | O-amino | H |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| | | | | acid | |
| CF ₃ | O-amino acid | O | 2-N-acetylguanine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 4-N-acetylcytosine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 6-N-acetyladenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-N-acetyl-8-fluoroguanine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 4-N-acetyl-5-fluorocytosine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2,8-difluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-aminoadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-amino-8-fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-N-acetylaminoadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-N-acetylamino-8-fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-N-acetylamino-8-fluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-N-acetylaminohypoxanthine | O-amino acid | H |
| CF ₃ | O-acyl | O | Thymine | O-acyl | H |
| CF ₃ | O-acyl | O | Uracil | O-acyl | H |
| CF ₃ | O-acyl | O | Guanine | O-acyl | H |
| CF ₃ | O-acyl | O | Cytosine | O-acyl | H |
| CF ₃ | O-acyl | O | Adenine | O-acyl | H |
| CF ₃ | O-acyl | O | Hypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | O | 5-Fluorouracil | O-acyl | H |
| CF ₃ | O-acyl | O | 8-Fluoroguanine | O-acyl | H |
| CF ₃ | O-acyl | O | 5-Fluorocytosine | O-acyl | H |
| CF ₃ | O-acyl | O | 8-Fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-Fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 2,8-Difluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-Fluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | O | 8-Fluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | O | 2,8-Difluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-Aminoadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-Amino-8-fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-Amino-8-fluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-Aminohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-N-acetylguanine | O-acyl | H |
| CF ₃ | O-acyl | O | 4-N-acetylcytosine | O-acyl | H |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|-------------------------------------|----------------|----------------|
| CF ₃ | O-acyl | O | 6-N-acetyladenine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-N-acetyl-8-fluoroguanine | O-acyl | H |
| CF ₃ | O-acyl | O | 4-N-acetyl-5-fluorocytosine | O-acyl | H |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 6-N-acetyl-2,8-difluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-aminoadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-amino-8-fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-N-acetylaminoadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-N-acetyl-amino-8-fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-N-acetylamin-8-fluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-N-acetylaminohypoxanthine | O-acyl | H |
| CF ₃ | O-amino acid | O | Thymine | O-amino acid | H |
| CF ₃ | O-amino acid | O | Uracil | O-amino acid | H |
| CF ₃ | O-amino acid | O | Guanine | O-amino acid | H |
| CF ₃ | O-amino acid | O | Cytosine | O-amino acid | H |
| CF ₃ | O-amino acid | O | Adenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | Hypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 5-Fluorouracil | O-amino acid | H |
| CF ₃ | O-amino acid | O | 8-Fluoroguanine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 5-Fluorocytosine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 8-Fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-Fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2,8-Difluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-Fluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 8-Fluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2,8-Difluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-Aminoadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-Amino-8-fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-Amino-8-fluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-Aminohypoxanthine | O-amino acid | H |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| | | | | acid | |
| CF ₃ | O-amino acid | O | 2-N-acetylguanine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 4-N-acetylcytosine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 6-N-acetyladenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-N-acetyl-8-fluoroguanine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 4-N-acetyl-5-fluorocytosine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2,8-difluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-aminoadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-amino-8-fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-N-acetylaminoadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-N-acetyl-amino-8-fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-N-acetyl-amino-8-fluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-N-acetylaminohypoxanthine | O-amino acid | H |
| CF ₃ | O-acyl | O | Thymine | O-acyl | H |
| CF ₃ | O-acyl | O | Uracil | O-acyl | H |
| CF ₃ | O-acyl | O | Guanine | O-acyl | H |
| CF ₃ | O-acyl | O | Cytosine | O-acyl | H |
| CF ₃ | O-acyl | O | Adenine | O-acyl | H |
| CF ₃ | O-acyl | O | Hypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | O | 5-Fluorouracil | O-acyl | H |
| CF ₃ | O-acyl | O | 8-Fluoroguanine | O-acyl | H |
| CF ₃ | O-acyl | O | 5-Fluorocytosine | O-acyl | H |
| CF ₃ | O-acyl | O | 8-Fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-Fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 2,8-Difluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-Fluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | O | 8-Fluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | O | 2,8-Difluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-Aminoadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-Amino-8-fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-Amino-8-fluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-Aminohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-N-acetylguanine | O-acyl | H |
| CF ₃ | O-acyl | O | 4-N-acetylcytosine | O-acyl | H |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CF ₃ | O-acyl | O | 6-N-acetyl-adenine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-N-acetyl-8-fluoroguanine | O-acyl | H |
| CF ₃ | O-acyl | O | 4-N-acetyl-5-fluorocytosine | O-acyl | H |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 6-N-acetyl-2,8-difluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-amino-adenine | O-acyl | H |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-amino-8-fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-N-acetyl-amino-adenine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-N-acetyl-amino-8-fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-N-acetyl-amino-8-fluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-N-acetyl-amino-hypoxanthine | O-acyl | H |
| CF ₃ | O-amino acid | O | Thymine | O-amino acid | H |
| CF ₃ | O-amino acid | O | Uracil | O-amino acid | H |
| CF ₃ | O-amino acid | O | Guanine | O-amino acid | H |
| CF ₃ | O-amino acid | O | Cytosine | O-amino acid | H |
| CF ₃ | O-amino acid | O | Adenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | Hypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 5-Fluorouracil | O-amino acid | H |
| CF ₃ | O-amino acid | O | 8-Fluoroguanine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 5-Fluorocytosine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 8-Fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-Fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2,8-Difluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-Fluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 8-Fluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2,8-Difluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-Amino-adenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-Amino-8-fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-Amino-8-fluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-Amino-hypoxanthine | O-amino acid | H |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| | | | | acid | |
| CF ₃ | O-amino acid | O | 2-N-acetylguanine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 4-N-acetylcytosine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 6-N-acetyladenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-N-acetyl-8-fluoroguanine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 4-N-acetyl-5-fluorocytosine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2,8-difluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-aminoadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-amino-8-fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-N-acetylaminoadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-N-acetylamino-8-fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-N-acetylamino-8-fluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-N-acetylaminohypoxanthine | O-amino acid | H |
| CF ₃ | O-acyl | O | Thymine | O-acyl | H |
| CF ₃ | O-acyl | O | Uracil | O-acyl | H |
| CF ₃ | O-acyl | O | Guanine | O-acyl | H |
| CF ₃ | O-acyl | O | Cytosine | O-acyl | H |
| CF ₃ | O-acyl | O | Adenine | O-acyl | H |
| CF ₃ | O-acyl | O | Hypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | O | 5-Fluorouracil | O-acyl | H |
| CF ₃ | O-acyl | O | 8-Fluoroguanine | O-acyl | H |
| CF ₃ | O-acyl | O | 5-Fluorocytosine | O-acyl | H |
| CF ₃ | O-acyl | O | 8-Fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-Fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 2,8-Difluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-Fluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | O | 8-Fluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | O | 2,8-Difluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-Aminoadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-Amino-8-fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-Amino-8-fluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-Aminohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-N-acetylguanine | O-acyl | H |
| CF ₃ | O-acyl | O | 4-N-acetylcytosine | O-acyl | H |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CF ₃ | O-acyl | O | 6-N-acetyl adenine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-N-acetyl-8-fluoroguanine | O-acyl | H |
| CF ₃ | O-acyl | O | 4-N-acetyl-5-fluorocytosine | O-acyl | H |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 6-N-acetyl-2,8-difluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-amino adenine | O-acyl | H |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-amino-8-fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-N-acetyl amino adenine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-N-acetyl amino-8-fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-N-acetyl amino-8-fluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-N-acetyl aminohypoxanthine | O-acyl | H |
| CF ₃ | O-amino acid | O | Thymine | O-amino acid | H |
| CF ₃ | O-amino acid | O | Uracil | O-amino acid | H |
| CF ₃ | O-amino acid | O | Guanine | O-amino acid | H |
| CF ₃ | O-amino acid | O | Cytosine | O-amino acid | H |
| CF ₃ | O-amino acid | O | Adenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | Hypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 5-Fluorouracil | O-amino acid | H |
| CF ₃ | O-amino acid | O | 8-Fluoroguanine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 5-Fluorocytosine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 8-Fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-Fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2,8-Difluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-Fluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 8-Fluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2,8-Difluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-Amino adenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-Amino-8-fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-Amino-8-fluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-Aminohypoxanthine | O-amino acid | H |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| | | | | acid | |
| CF ₃ | O-amino acid | O | 2-N-acetylguanine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 4-N-acetylcytosine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 6-N-acetyladenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-N-acetyl-8-fluoroguanine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 4-N-acetyl-5-fluorocytosine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2,8-difluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-aminoadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 6-N-acetyl-2-amino-8-fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-N-acetylaminoadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-N-acetylamino-8-fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-N-acetylamino-8-fluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | O | 2-N-acetylaminohypoxanthine | O-amino acid | H |
| CF ₃ | O-acyl | O | Thymine | O-acyl | H |
| CF ₃ | O-acyl | O | Uracil | O-acyl | H |
| CF ₃ | O-acyl | O | Guanine | O-acyl | H |
| CF ₃ | O-acyl | O | Cytosine | O-acyl | H |
| CF ₃ | O-acyl | O | Adenine | O-acyl | H |
| CF ₃ | O-acyl | O | Hypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | O | 5-Fluorouracil | O-acyl | H |
| CF ₃ | O-acyl | O | 8-Fluoroguanine | O-acyl | H |
| CF ₃ | O-acyl | O | 5-Fluorocytosine | O-acyl | H |
| CF ₃ | O-acyl | O | 8-Fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-Fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 2,8-Difluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-Fluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | O | 8-Fluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | O | 2,8-Difluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-Aminoadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-Amino-8-fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-Amino-8-fluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-Aminohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-N-acetylguanine | O-acyl | H |
| CF ₃ | O-acyl | O | 4-N-acetylcytosine | O-acyl | H |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|------------------------------------|----------------|----------------|
| CF ₃ | O-acyl | O | 6-N-acetyl原因 | O-acyl | H |
| CF ₃ | O-acyl | O | 2-N-acetyl-8-fluoroguanine | O-acyl | H |
| CF ₃ | O-acyl | O | 4-N-acetyl-5-fluorocytosine | O-acyl | H |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 6-N-acetyl-2,8-difluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-aminoadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 6-N-acetyl-2-amino-8-fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-N-acetyl原因 | O-acyl | H |
| CF ₃ | O-acyl | O | 2-N-acetyl原因-8-fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-N-acetyl原因-8-fluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | O | 2-N-acetyl原因hypoxanthine | O-acyl | H |
| CF ₃ | H | S | Thymine | F | O-acyl |
| CF ₃ | H | S | Uracil | F | O-acyl |
| CF ₃ | H | S | Guanine | F | O-acyl |
| CF ₃ | H | S | Cytosine | F | O-acyl |
| CF ₃ | H | S | Adenine | F | O-acyl |
| CF ₃ | H | S | Hypoxanthine | F | O-acyl |
| CF ₃ | H | S | 5-Fluorouracil | F | O-acyl |
| CF ₃ | H | S | 8-Fluoroguanine | F | O-acyl |
| CF ₃ | H | S | 5-Fluorocytosine | F | O-acyl |
| CF ₃ | H | S | 8-Fluoroadenine | F | O-acyl |
| CF ₃ | H | S | 2-Fluoroadenine | F | O-acyl |
| CF ₃ | H | S | 2,8-Difluoroadenine | F | O-acyl |
| CF ₃ | H | S | 2-Fluorohypoxanthine | F | O-acyl |
| CF ₃ | H | S | 8-Fluorohypoxanthine | F | O-acyl |
| CF ₃ | H | S | 2,8-Difluorohypoxanthine | F | O-acyl |
| CF ₃ | H | S | 2-Aminoadenine | F | O-acyl |
| CF ₃ | H | S | 2-Amino-8-fluoroadenine | F | O-acyl |
| CF ₃ | H | S | 2-Amino-8-fluorohypoxanthine | F | O-acyl |
| CF ₃ | H | S | 2-Aminohypoxanthine | F | O-acyl |
| CF ₃ | H | S | 2-N-acetyl原因 | F | O-acyl |
| CF ₃ | H | S | 4-N-acetylcytosine | F | O-acyl |
| CF ₃ | H | S | 6-N-acetyl原因 | F | O-acyl |
| CF ₃ | H | S | 2-N-acetyl-8-fluoroguanine | F | O-acyl |
| CF ₃ | H | S | 4-N-acetyl-5-fluorocytosine | F | O-acyl |
| CF ₃ | H | S | 6-N-acetyl-2-fluoroadenine | F | O-acyl |
| CF ₃ | H | S | 6-N-acetyl-2,8-difluoroadenine | F | O-acyl |
| CF ₃ | H | S | 6-N-acetyl-2-aminoadenine | F | O-acyl |
| CF ₃ | H | S | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-acyl |
| CF ₃ | H | S | 2-N-acetyl原因 | F | O-acyl |
| CF ₃ | H | S | 2-N-acetyl原因-8-fluoroadenine | F | O-acyl |
| CF ₃ | H | S | 2-N-acetyl原因-8-fluorohypoxanthine | F | O-acyl |
| CF ₃ | H | S | 2-N-acetyl原因hypoxanthine | F | O-acyl |
| CF ₃ | O-amino acid | S | Thymine | F | O-acyl |
| CF ₃ | O-amino acid | S | Uracil | F | O-acyl |
| CF ₃ | O-amino acid | S | Guanine | F | O-acyl |
| CF ₃ | O-amino acid | S | Cytosine | F | O-acyl |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CF ₃ | O-amino acid | S | Adenine | F | O-acyl |
| CF ₃ | O-amino acid | S | Hypoxanthine | F | O-acyl |
| CF ₃ | O-amino acid | S | 5-Fluorouracil | F | O-acyl |
| CF ₃ | O-amino acid | S | 8-Fluoroguanine | F | O-acyl |
| CF ₃ | O-amino acid | S | 5-Fluorocytosine | F | O-acyl |
| CF ₃ | O-amino acid | S | 8-Fluoroadenine | F | O-acyl |
| CF ₃ | O-amino acid | S | 2-Fluoroadenine | F | O-acyl |
| CF ₃ | O-amino acid | S | 2,8-Difluoroadenine | F | O-acyl |
| CF ₃ | O-amino acid | S | 2-Fluorohypoxanthine | F | O-acyl |
| CF ₃ | O-amino acid | S | 8-Fluorohypoxanthine | F | O-acyl |
| CF ₃ | O-amino acid | S | 2,8-Difluorohypoxanthine | F | O-acyl |
| CF ₃ | O-amino acid | S | 2-Aminoadenine | F | O-acyl |
| CF ₃ | O-amino acid | S | 2-Amino-8-fluoroadenine | F | O-acyl |
| CF ₃ | O-amino acid | S | 2-Amino-8-fluorohypoxanthine | F | O-acyl |
| CF ₃ | O-amino acid | S | 2-Aminohypoxanthine | F | O-acyl |
| CF ₃ | O-amino acid | S | 2-N-acetylguanine | F | O-acyl |
| CF ₃ | O-amino acid | S | 4-N-acetylcytosine | F | O-acyl |
| CF ₃ | O-amino acid | S | 6-N-acetyladenine | F | O-acyl |
| CF ₃ | O-amino acid | S | 2-N-acetyl-8-fluoroguanine | F | O-acyl |
| CF ₃ | O-amino acid | S | 4-N-acetyl-5-fluorocytosine | F | O-acyl |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-fluoroadenine | F | O-acyl |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2,8-difluoroadenine | F | O-acyl |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-aminoadenine | F | O-acyl |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-acyl |
| CF ₃ | O-amino acid | S | 2-N-acetylaminoadenine | F | O-acyl |
| CF ₃ | O-amino acid | S | 2-N-acetyl-amino-8-fluoroadenine | F | O-acyl |
| CF ₃ | O-amino acid | S | 2-N-acetyl-amino-8-fluorohypoxanthine | F | O-acyl |
| CF ₃ | O-amino acid | S | 2-N-acetylaminohypoxanthine | F | O-acyl |
| CF ₃ | O-acyl | S | Thymine | F | O-acyl |
| CF ₃ | O-acyl | S | Uracil | F | O-acyl |
| CF ₃ | O-acyl | S | Guanine | F | O-acyl |
| CF ₃ | O-acyl | S | Cytosine | F | O-acyl |
| CF ₃ | O-acyl | S | Adenine | F | O-acyl |
| CF ₃ | O-acyl | S | Hypoxanthine | F | O-acyl |
| CF ₃ | O-acyl | S | 5-Fluorouracil | F | O-acyl |
| CF ₃ | O-acyl | S | 8-Fluoroguanine | F | O-acyl |
| CF ₃ | O-acyl | S | 5-Fluorocytosine | F | O-acyl |
| CF ₃ | O-acyl | S | 8-Fluoroadenine | F | O-acyl |
| CF ₃ | O-acyl | S | 2-Fluoroadenine | F | O-acyl |
| CF ₃ | O-acyl | S | 2,8-Difluoroadenine | F | O-acyl |
| CF ₃ | O-acyl | S | 2-Fluorohypoxanthine | F | O-acyl |
| CF ₃ | O-acyl | S | 8-Fluorohypoxanthine | F | O-acyl |
| CF ₃ | O-acyl | S | 2,8-Difluorohypoxanthine | F | O-acyl |
| CF ₃ | O-acyl | S | 2-Aminoadenine | F | O-acyl |
| CF ₃ | O-acyl | S | 2-Amino-8-fluoroadenine | F | O-acyl |
| CF ₃ | O-acyl | S | 2-Amino-8-fluorohypoxanthine | F | O-acyl |
| CF ₃ | O-acyl | S | 2-Aminohypoxanthine | F | O-acyl |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CF ₃ | O-acyl | S | 2-N-acetylguanine | F | O-acyl |
| CF ₃ | O-acyl | S | 4-N-acetylcytosine | F | O-acyl |
| CF ₃ | O-acyl | S | 6-N-acetyladenine | F | O-acyl |
| CF ₃ | O-acyl | S | 2-N-acetyl-8-fluoroguanine | F | O-acyl |
| CF ₃ | O-acyl | S | 4-N-acetyl-5-fluorocytosine | F | O-acyl |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-fluoroadenine | F | O-acyl |
| CF ₃ | O-acyl | S | 6-N-acetyl-2,8-difluoroadenine | F | O-acyl |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-aminoadenine | F | O-acyl |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-acyl |
| CF ₃ | O-acyl | S | 2-N-acetylaminoadenine | F | O-acyl |
| CF ₃ | O-acyl | S | 2-N-acetylamino-8-fluoroadenine | F | O-acyl |
| CF ₃ | O-acyl | S | 2-N-acetylamino-8-fluorohypoxanthine | F | O-acyl |
| CF ₃ | O-acyl | S | 2-N-acetylaminohypoxanthine | F | O-acyl |
| CF ₃ | OH | S | Thymine | F | O-acyl |
| CF ₃ | OH | S | Uracil | F | O-acyl |
| CF ₃ | OH | S | Guanine | F | O-acyl |
| CF ₃ | OH | S | Cytosine | F | O-acyl |
| CF ₃ | OH | S | Adenine | F | O-acyl |
| CF ₃ | OH | S | Hypoxanthine | F | O-acyl |
| CF ₃ | OH | S | 5-Fluorouracil | F | O-acyl |
| CF ₃ | OH | S | 8-Fluoroguanine | F | O-acyl |
| CF ₃ | OH | S | 5-Fluorocytosine | F | O-acyl |
| CF ₃ | OH | S | 8-Fluoroadenine | F | O-acyl |
| CF ₃ | OH | S | 2-Fluoroadenine | F | O-acyl |
| CF ₃ | OH | S | 2,8-Difluoroadenine | F | O-acyl |
| CF ₃ | OH | S | 2-Fluorohypoxanthine | F | O-acyl |
| CF ₃ | OH | S | 8-Fluorohypoxanthine | F | O-acyl |
| CF ₃ | OH | S | 2,8-Difluorohypoxanthine | F | O-acyl |
| CF ₃ | OH | S | 2-Aminoadenine | F | O-acyl |
| CF ₃ | OH | S | 2-Amino-8-fluoroadenine | F | O-acyl |
| CF ₃ | OH | S | 2-Amino-8-fluorohypoxanthine | F | O-acyl |
| CF ₃ | OH | S | 2-Aminohypoxanthine | F | O-acyl |
| CF ₃ | OH | S | 2-N-acetylguanine | F | O-acyl |
| CF ₃ | OH | S | 4-N-acetylcytosine | F | O-acyl |
| CF ₃ | OH | S | 6-N-acetyladenine | F | O-acyl |
| CF ₃ | OH | S | 2-N-acetyl-8-fluoroguanine | F | O-acyl |
| CF ₃ | OH | S | 4-N-acetyl-5-fluorocytosine | F | O-acyl |
| CF ₃ | OH | S | 6-N-acetyl-2-fluoroadenine | F | O-acyl |
| CF ₃ | OH | S | 6-N-acetyl-2,8-difluoroadenine | F | O-acyl |
| CF ₃ | OH | S | 6-N-acetyl-2-aminoadenine | F | O-acyl |
| CF ₃ | OH | S | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-acyl |
| CF ₃ | OH | S | 2-N-acetylaminoadenine | F | O-acyl |
| CF ₃ | OH | S | 2-N-acetylamino-8-fluoroadenine | F | O-acyl |
| CF ₃ | OH | S | 2-N-acetylamino-8-fluorohypoxanthine | F | O-acyl |
| CF ₃ | OH | S | 2-N-acetylaminohypoxanthine | F | O-acyl |
| CF ₃ | H | S | Thymine | Br | O-acyl |
| CF ₃ | H | S | Uracil | Br | O-acyl |

| R⁶ | R⁷ | X | Base | R⁸ | R⁹ |
|----------------------|----------------------|----------|---------------------------------------|----------------------|----------------------|
| CF ₃ | H | S | Guanine | Br | O-acyl |
| CF ₃ | H | S | Cytosine | Br | O-acyl |
| CF ₃ | H | S | Adenine | Br | O-acyl |
| CF ₃ | H | S | Hypoxanthine | Br | O-acyl |
| CF ₃ | H | S | 5-Fluorouracil | Br | O-acyl |
| CF ₃ | H | S | 8-Fluoroguanine | Br | O-acyl |
| CF ₃ | H | S | 5-Fluorocytosine | Br | O-acyl |
| CF ₃ | H | S | 8-Fluoroadenine | Br | O-acyl |
| CF ₃ | H | S | 2-Fluoroadenine | Br | O-acyl |
| CF ₃ | H | S | 2,8-Difluoroadenine | Br | O-acyl |
| CF ₃ | H | S | 2-Fluorohypoxanthine | Br | O-acyl |
| CF ₃ | H | S | 8-Fluorohypoxanthine | Br | O-acyl |
| CF ₃ | H | S | 2,8-Difluorohypoxanthine | Br | O-acyl |
| CF ₃ | H | S | 2-Aminoadenine | Br | O-acyl |
| CF ₃ | H | S | 2-Amino-8-fluoroadenine | Br | O-acyl |
| CF ₃ | H | S | 2-Amino-8-fluorohypoxanthine | Br | O-acyl |
| CF ₃ | H | S | 2-Aminohypoxanthine | Br | O-acyl |
| CF ₃ | H | S | 2-N-acetylguanine | Br | O-acyl |
| CF ₃ | H | S | 4-N-acetylcytosine | Br | O-acyl |
| CF ₃ | H | S | 6-N-acetyladenine | Br | O-acyl |
| CF ₃ | H | S | 2-N-acetyl-8-fluoroguanine | Br | O-acyl |
| CF ₃ | H | S | 4-N-acetyl-5-fluorocytosine | Br | O-acyl |
| CF ₃ | H | S | 6-N-acetyl-2-fluoroadenine | Br | O-acyl |
| CF ₃ | H | S | 6-N-acetyl-2,8-difluoroadenine | Br | O-acyl |
| CF ₃ | H | S | 6-N-acetyl-2-aminoadenine | Br | O-acyl |
| CF ₃ | H | S | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-acyl |
| CF ₃ | H | S | 2-N-acetylaminoadenine | Br | O-acyl |
| CF ₃ | H | S | 2-N-acetyl-amino-8-fluoroadenine | Br | O-acyl |
| CF ₃ | H | S | 2-N-acetyl-amino-8-fluorohypoxanthine | Br | O-acyl |
| CF ₃ | H | S | 2-N-acetylaminohypoxanthine | Br | O-acyl |
| CF ₃ | O-amino acid | S | Thymine | Br | O-acyl |
| CF ₃ | O-amino acid | S | Uracil | Br | O-acyl |
| CF ₃ | O-amino acid | S | Guanine | Br | O-acyl |
| CF ₃ | O-amino acid | S | Cytosine | Br | O-acyl |
| CF ₃ | O-amino acid | S | Adenine | Br | O-acyl |
| CF ₃ | O-amino acid | S | Hypoxanthine | Br | O-acyl |
| CF ₃ | O-amino acid | S | 5-Fluorouracil | Br | O-acyl |
| CF ₃ | O-amino acid | S | 8-Fluoroguanine | Br | O-acyl |
| CF ₃ | O-amino acid | S | 5-Fluorocytosine | Br | O-acyl |
| CF ₃ | O-amino acid | S | 8-Fluoroadenine | Br | O-acyl |
| CF ₃ | O-amino acid | S | 2-Fluoroadenine | Br | O-acyl |
| CF ₃ | O-amino acid | S | 2,8-Difluoroadenine | Br | O-acyl |
| CF ₃ | O-amino acid | S | 2-Fluorohypoxanthine | Br | O-acyl |
| CF ₃ | O-amino acid | S | 8-Fluorohypoxanthine | Br | O-acyl |
| CF ₃ | O-amino acid | S | 2,8-Difluorohypoxanthine | Br | O-acyl |
| CF ₃ | O-amino acid | S | 2-Aminoadenine | Br | O-acyl |
| CF ₃ | O-amino acid | S | 2-Amino-8-fluoroadenine | Br | O-acyl |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CF ₃ | O-amino acid | S | 2-Amino-8-fluorohypoxanthine | Br | O-acyl |
| CF ₃ | O-amino acid | S | 2-Aminohypoxanthine | Br | O-acyl |
| CF ₃ | O-amino acid | S | 2-N-acetylguanine | Br | O-acyl |
| CF ₃ | O-amino acid | S | 4-N-acetylcytosine | Br | O-acyl |
| CF ₃ | O-amino acid | S | 6-N-acetyladenine | Br | O-acyl |
| CF ₃ | O-amino acid | S | 2-N-acetyl-8-fluoroguanine | Br | O-acyl |
| CF ₃ | O-amino acid | S | 4-N-acetyl-5-fluorocytosine | Br | O-acyl |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-fluoroadenine | Br | O-acyl |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2,8-difluoroadenine | Br | O-acyl |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-aminoadenine | Br | O-acyl |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-acyl |
| CF ₃ | O-amino acid | S | 2-N-acetylaminoadenine | Br | O-acyl |
| CF ₃ | O-amino acid | S | 2-N-acetylamino-8-fluoroadenine | Br | O-acyl |
| CF ₃ | O-amino acid | S | 2-N-acetylamino-8-fluorohypoxanthine | Br | O-acyl |
| CF ₃ | O-amino acid | S | 2-N-acetylaminohypoxanthine | Br | O-acyl |
| CF ₃ | O-acyl | S | Thymine | Br | O-acyl |
| CF ₃ | O-acyl | S | Uracil | Br | O-acyl |
| CF ₃ | O-acyl | S | Guanine | Br | O-acyl |
| CF ₃ | O-acyl | S | Cytosine | Br | O-acyl |
| CF ₃ | O-acyl | S | Adenine | Br | O-acyl |
| CF ₃ | O-acyl | S | Hypoxanthine | Br | O-acyl |
| CF ₃ | O-acyl | S | 5-Fluorouracil | Br | O-acyl |
| CF ₃ | O-acyl | S | 8-Fluoroguanine | Br | O-acyl |
| CF ₃ | O-acyl | S | 5-Fluorocytosine | Br | O-acyl |
| CF ₃ | O-acyl | S | 8-Fluoroadenine | Br | O-acyl |
| CF ₃ | O-acyl | S | 2-Fluoroadenine | Br | O-acyl |
| CF ₃ | O-acyl | S | 2,8-Difluoroadenine | Br | O-acyl |
| CF ₃ | O-acyl | S | 2-Fluorohypoxanthine | Br | O-acyl |
| CF ₃ | O-acyl | S | 8-Fluorohypoxanthine | Br | O-acyl |
| CF ₃ | O-acyl | S | 2,8-Difluorohypoxanthine | Br | O-acyl |
| CF ₃ | O-acyl | S | 2-Aminoadenine | Br | O-acyl |
| CF ₃ | O-acyl | S | 2-Amino-8-fluoroadenine | Br | O-acyl |
| CF ₃ | O-acyl | S | 2-Amino-8-fluorohypoxanthine | Br | O-acyl |
| CF ₃ | O-acyl | S | 2-Aminohypoxanthine | Br | O-acyl |
| CF ₃ | O-acyl | S | 2-N-acetylguanine | Br | O-acyl |
| CF ₃ | O-acyl | S | 4-N-acetylcytosine | Br | O-acyl |
| CF ₃ | O-acyl | S | 6-N-acetyladenine | Br | O-acyl |
| CF ₃ | O-acyl | S | 2-N-acetyl-8-fluoroguanine | Br | O-acyl |
| CF ₃ | O-acyl | S | 4-N-acetyl-5-fluorocytosine | Br | O-acyl |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-fluoroadenine | Br | O-acyl |
| CF ₃ | O-acyl | S | 6-N-acetyl-2,8-difluoroadenine | Br | O-acyl |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-aminoadenine | Br | O-acyl |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-acyl |
| CF ₃ | O-acyl | S | 2-N-acetylaminoadenine | Br | O-acyl |
| CF ₃ | O-acyl | S | 2-N-acetylamino-8-fluoroadenine | Br | O-acyl |
| CF ₃ | O-acyl | S | 2-N-acetylamino-8-fluorohypoxanthine | Br | O-acyl |
| CF ₃ | O-acyl | S | 2-N-acetylaminohypoxanthine | Br | O-acyl |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CF ₃ | OH | S | Thymine | Br | O-acyl |
| CF ₃ | OH | S | Uracil | Br | O-acyl |
| CF ₃ | OH | S | Guanine | Br | O-acyl |
| CF ₃ | OH | S | Cytosine | Br | O-acyl |
| CF ₃ | OH | S | Adenine | Br | O-acyl |
| CF ₃ | OH | S | Hypoxanthine | Br | O-acyl |
| CF ₃ | OH | S | 5-Fluorouracil | Br | O-acyl |
| CF ₃ | OH | S | 8-Fluoroguanine | Br | O-acyl |
| CF ₃ | OH | S | 5-Fluorocytosine | Br | O-acyl |
| CF ₃ | OH | S | 8-Fluoroadenine | Br | O-acyl |
| CF ₃ | OH | S | 2-Fluoroadenine | Br | O-acyl |
| CF ₃ | OH | S | 2,8-Difluoroadenine | Br | O-acyl |
| CF ₃ | OH | S | 2-Fluorohypoxanthine | Br | O-acyl |
| CF ₃ | OH | S | 8-Fluorohypoxanthine | Br | O-acyl |
| CF ₃ | OH | S | 2,8-Difluorohypoxanthine | Br | O-acyl |
| CF ₃ | OH | S | 2-Aminoadenine | Br | O-acyl |
| CF ₃ | OH | S | 2-Amino-8-fluoroadenine | Br | O-acyl |
| CF ₃ | OH | S | 2-Amino-8-fluorohypoxanthine | Br | O-acyl |
| CF ₃ | OH | S | 2-Aminohypoxanthine | Br | O-acyl |
| CF ₃ | OH | S | 2-N-acetylguanine | Br | O-acyl |
| CF ₃ | OH | S | 4-N-acetylcytosine | Br | O-acyl |
| CF ₃ | OH | S | 6-N-acetyladenine | Br | O-acyl |
| CF ₃ | OH | S | 2-N-acetyl-8-fluoroguanine | Br | O-acyl |
| CF ₃ | OH | S | 4-N-acetyl-5-fluorocytosine | Br | O-acyl |
| CF ₃ | OH | S | 6-N-acetyl-2-fluoroadenine | Br | O-acyl |
| CF ₃ | OH | S | 6-N-acetyl-2,8-difluoroadenine | Br | O-acyl |
| CF ₃ | OH | S | 6-N-acetyl-2-aminoadenine | Br | O-acyl |
| CF ₃ | OH | S | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-acyl |
| CF ₃ | OH | S | 2-N-acetylaminoadenine | Br | O-acyl |
| CF ₃ | OH | S | 2-N-acetylamino-8-fluoroadenine | Br | O-acyl |
| CF ₃ | OH | S | 2-N-acetylamino-8-fluorohypoxanthine | Br | O-acyl |
| CF ₃ | OH | S | 2-N-acetylaminohypoxanthine | Br | O-acyl |
| CF ₃ | O-acyl | S | Thymine | Cl | O-acyl |
| CF ₃ | O-acyl | S | Uracil | Cl | O-acyl |
| CF ₃ | O-acyl | S | Guanine | Cl | O-acyl |
| CF ₃ | O-acyl | S | Cytosine | Cl | O-acyl |
| CF ₃ | O-acyl | S | Adenine | Cl | O-acyl |
| CF ₃ | O-acyl | S | Hypoxanthine | Cl | O-acyl |
| CF ₃ | O-acyl | S | 5-Fluorouracil | Cl | O-acyl |
| CF ₃ | O-acyl | S | 8-Fluoroguanine | Cl | O-acyl |
| CF ₃ | O-acyl | S | 5-Fluorocytosine | Cl | O-acyl |
| CF ₃ | O-acyl | S | 8-Fluoroadenine | Cl | O-acyl |
| CF ₃ | O-acyl | S | 2-Fluoroadenine | Cl | O-acyl |
| CF ₃ | O-acyl | S | 2,8-Difluoroadenine | Cl | O-acyl |
| CF ₃ | O-acyl | S | 2-Fluorohypoxanthine | Cl | O-acyl |
| CF ₃ | O-acyl | S | 8-Fluorohypoxanthine | Cl | O-acyl |
| CF ₃ | O-acyl | S | 2,8-Difluorohypoxanthine | Cl | O-acyl |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CF ₃ | O-acyl | S | 2-Aminoadenine | Cl | O-acyl |
| CF ₃ | O-acyl | S | 2-Amino-8-fluoroadenine | Cl | O-acyl |
| CF ₃ | O-acyl | S | 2-Amino-8-fluorohypoxanthine | Cl | O-acyl |
| CF ₃ | O-acyl | S | 2-Aminohypoxanthine | Cl | O-acyl |
| CF ₃ | O-acyl | S | 2-N-acetylguanine | Cl | O-acyl |
| CF ₃ | O-acyl | S | 4-N-acetylcytosine | Cl | O-acyl |
| CF ₃ | O-acyl | S | 6-N-acetyladenine | Cl | O-acyl |
| CF ₃ | O-acyl | S | 2-N-acetyl-8-fluoroguanine | Cl | O-acyl |
| CF ₃ | O-acyl | S | 4-N-acetyl-5-fluorocytosine | Cl | O-acyl |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-fluoroadenine | Cl | O-acyl |
| CF ₃ | O-acyl | S | 6-N-acetyl-2,8-difluoroadenine | Cl | O-acyl |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-aminoadenine | Cl | O-acyl |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-acyl |
| CF ₃ | O-acyl | S | 2-N-acetylaminoadenine | Cl | O-acyl |
| CF ₃ | O-acyl | S | 2-N-acetylamino-8-fluoroadenine | Cl | O-acyl |
| CF ₃ | O-acyl | S | 2-N-acetylamino-8-fluorohypoxanthine | Cl | O-acyl |
| CF ₃ | O-acyl | S | 2-N-acetylaminohypoxanthine | Cl | O-acyl |
| CF ₃ | OH | S | Thymine | Cl | O-acyl |
| CF ₃ | OH | S | Uracil | Cl | O-acyl |
| CF ₃ | OH | S | Guanine | Cl | O-acyl |
| CF ₃ | OH | S | Cytosine | Cl | O-acyl |
| CF ₃ | OH | S | Adenine | Cl | O-acyl |
| CF ₃ | OH | S | Hypoxanthine | Cl | O-acyl |
| CF ₃ | OH | S | 5-Fluorouracil | Cl | O-acyl |
| CF ₃ | OH | S | 8-Fluoroguanine | Cl | O-acyl |
| CF ₃ | OH | S | 5-Fluorocytosine | Cl | O-acyl |
| CF ₃ | OH | S | 8-Fluoroadenine | Cl | O-acyl |
| CF ₃ | OH | S | 2-Fluoroadenine | Cl | O-acyl |
| CF ₃ | OH | S | 2,8-Difluoroadenine | Cl | O-acyl |
| CF ₃ | OH | S | 2-Fluorohypoxanthine | Cl | O-acyl |
| CF ₃ | OH | S | 8-Fluorohypoxanthine | Cl | O-acyl |
| CF ₃ | OH | S | 2,8-Difluorohypoxanthine | Cl | O-acyl |
| CF ₃ | OH | S | 2-Aminoadenine | Cl | O-acyl |
| CF ₃ | OH | S | 2-Amino-8-fluoroadenine | Cl | O-acyl |
| CF ₃ | OH | S | 2-Amino-8-fluorohypoxanthine | Cl | O-acyl |
| CF ₃ | OH | S | 2-Aminohypoxanthine | Cl | O-acyl |
| CF ₃ | OH | S | 2-N-acetylguanine | Cl | O-acyl |
| CF ₃ | OH | S | 4-N-acetylcytosine | Cl | O-acyl |
| CF ₃ | OH | S | 6-N-acetyladenine | Cl | O-acyl |
| CF ₃ | OH | S | 2-N-acetyl-8-fluoroguanine | Cl | O-acyl |
| CF ₃ | OH | S | 4-N-acetyl-5-fluorocytosine | Cl | O-acyl |
| CF ₃ | OH | S | 6-N-acetyl-2-fluoroadenine | Cl | O-acyl |
| CF ₃ | OH | S | 6-N-acetyl-2,8-difluoroadenine | Cl | O-acyl |
| CF ₃ | OH | S | 6-N-acetyl-2-aminoadenine | Cl | O-acyl |
| CF ₃ | OH | S | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-acyl |
| CF ₃ | OH | S | 2-N-acetylaminoadenine | Cl | O-acyl |
| CF ₃ | OH | S | 2-N-acetylamino-8-fluoroadenine | Cl | O-acyl |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CF ₃ | OH | S | 2-N-acetylamino-8-fluorohypoxanthine | Cl | O-acyl |
| CF ₃ | OH | S | 2-N-acetylaminohypoxanthine | Cl | O-acyl |
| CF ₃ | H | S | Thymine | Cl | O-acyl |
| CF ₃ | H | S | Uracil | Cl | O-acyl |
| CF ₃ | H | S | Guanine | Cl | O-acyl |
| CF ₃ | H | S | Cytosine | Cl | O-acyl |
| CF ₃ | H | S | Adenine | Cl | O-acyl |
| CF ₃ | H | S | Hypoxanthine | Cl | O-acyl |
| CF ₃ | H | S | 5-Fluorouracil | Cl | O-acyl |
| CF ₃ | H | S | 8-Fluoroguanine | Cl | O-acyl |
| CF ₃ | H | S | 5-Fluorocytosine | Cl | O-acyl |
| CF ₃ | H | S | 8-Fluoroadenine | Cl | O-acyl |
| CF ₃ | H | S | 2-Fluoroadenine | Cl | O-acyl |
| CF ₃ | H | S | 2,8-Difluoroadenine | Cl | O-acyl |
| CF ₃ | H | S | 2-Fluorohypoxanthine | Cl | O-acyl |
| CF ₃ | H | S | 8-Fluorohypoxanthine | Cl | O-acyl |
| CF ₃ | H | S | 2,8-Difluorohypoxanthine | Cl | O-acyl |
| CF ₃ | H | S | 2-Aminoadenine | Cl | O-acyl |
| CF ₃ | H | S | 2-Amino-8-fluoroadenine | Cl | O-acyl |
| CF ₃ | H | S | 2-Amino-8-fluorohypoxanthine | Cl | O-acyl |
| CF ₃ | H | S | 2-Aminohypoxanthine | Cl | O-acyl |
| CF ₃ | H | S | 2-N-acetylguanine | Cl | O-acyl |
| CF ₃ | H | S | 4-N-acetylcytosine | Cl | O-acyl |
| CF ₃ | H | S | 6-N-acetyladenine | Cl | O-acyl |
| CF ₃ | H | S | 2-N-acetyl-8-fluoroguanine | Cl | O-acyl |
| CF ₃ | H | S | 4-N-acetyl-5-fluorocytosine | Cl | O-acyl |
| CF ₃ | H | S | 6-N-acetyl-2-fluoroadenine | Cl | O-acyl |
| CF ₃ | H | S | 6-N-acetyl-2,8-difluoroadenine | Cl | O-acyl |
| CF ₃ | H | S | 6-N-acetyl-2-aminoadenine | Cl | O-acyl |
| CF ₃ | H | S | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-acyl |
| CF ₃ | H | S | 2-N-acetylaminoadenine | Cl | O-acyl |
| CF ₃ | H | S | 2-N-acetylamino-8-fluoroadenine | Cl | O-acyl |
| CF ₃ | H | S | 2-N-acetylamino-8-fluorohypoxanthine | Cl | O-acyl |
| CF ₃ | H | S | 2-N-acetylaminohypoxanthine | Cl | O-acyl |
| CF ₃ | O-amino acid | S | Thymine | Cl | O-acyl |
| CF ₃ | O-amino acid | S | Uracil | Cl | O-acyl |
| CF ₃ | O-amino acid | S | Guanine | Cl | O-acyl |
| CF ₃ | O-amino acid | S | Cytosine | Cl | O-acyl |
| CF ₃ | O-amino acid | S | Adenine | Cl | O-acyl |
| CF ₃ | O-amino acid | S | Hypoxanthine | Cl | O-acyl |
| CF ₃ | O-amino acid | S | 5-Fluorouracil | Cl | O-acyl |
| CF ₃ | O-amino acid | S | 8-Fluoroguanine | Cl | O-acyl |
| CF ₃ | O-amino acid | S | 5-Fluorocytosine | Cl | O-acyl |
| CF ₃ | O-amino acid | S | 8-Fluoroadenine | Cl | O-acyl |
| CF ₃ | O-amino acid | S | 2-Fluoroadenine | Cl | O-acyl |
| CF ₃ | O-amino acid | S | 2,8-Difluoroadenine | Cl | O-acyl |
| CF ₃ | O-amino acid | S | 2-Fluorohypoxanthine | Cl | O-acyl |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CF ₃ | O-amino acid | S | 8-Fluorohypoxanthine | Cl | O-acyl |
| CF ₃ | O-amino acid | S | 2,8-Difluorohypoxanthine | Cl | O-acyl |
| CF ₃ | O-amino acid | S | 2-Aminoadenine | Cl | O-acyl |
| CF ₃ | O-amino acid | S | 2-Amino-8-fluoroadenine | Cl | O-acyl |
| CF ₃ | O-amino acid | S | 2-Amino-8-fluorohypoxanthine | Cl | O-acyl |
| CF ₃ | O-amino acid | S | 2-Aminohypoxanthine | Cl | O-acyl |
| CF ₃ | O-amino acid | S | 2-N-acetylguanine | Cl | O-acyl |
| CF ₃ | O-amino acid | S | 4-N-acetylcytosine | Cl | O-acyl |
| CF ₃ | O-amino acid | S | 6-N-acetyladenine | Cl | O-acyl |
| CF ₃ | O-amino acid | S | 2-N-acetyl-8-fluoroguanine | Cl | O-acyl |
| CF ₃ | O-amino acid | S | 4-N-acetyl-5-fluorocytosine | Cl | O-acyl |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-fluoroadenine | Cl | O-acyl |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2,8-difluoroadenine | Cl | O-acyl |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-aminoadenine | Cl | O-acyl |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-acyl |
| CF ₃ | O-amino acid | S | 2-N-acetylaminoadenine | Cl | O-acyl |
| CF ₃ | O-amino acid | S | 2-N-acetylamino-8-fluoroadenine | Cl | O-acyl |
| CF ₃ | O-amino acid | S | 2-N-acetylamino-8-fluorohypoxanthine | Cl | O-acyl |
| CF ₃ | O-amino acid | S | 2-N-acetylaminohypoxanthine | Cl | O-acyl |
| CF ₃ | H | S | Thymine | H | O-acyl |
| CF ₃ | H | S | Uracil | H | O-acyl |
| CF ₃ | H | S | Guanine | H | O-acyl |
| CF ₃ | H | S | Cytosine | H | O-acyl |
| CF ₃ | H | S | Adenine | H | O-acyl |
| CF ₃ | H | S | Hypoxanthine | H | O-acyl |
| CF ₃ | H | S | 5-Fluorouracil | H | O-acyl |
| CF ₃ | H | S | 8-Fluoroguanine | H | O-acyl |
| CF ₃ | H | S | 5-Fluorocytosine | H | O-acyl |
| CF ₃ | H | S | 8-Fluoroadenine | H | O-acyl |
| CF ₃ | H | S | 2-Fluoroadenine | H | O-acyl |
| CF ₃ | H | S | 2,8-Difluoroadenine | H | O-acyl |
| CF ₃ | H | S | 2-Fluorohypoxanthine | H | O-acyl |
| CF ₃ | H | S | 8-Fluorohypoxanthine | H | O-acyl |
| CF ₃ | H | S | 2,8-Difluorohypoxanthine | H | O-acyl |
| CF ₃ | H | S | 2-Aminoadenine | H | O-acyl |
| CF ₃ | H | S | 2-Amino-8-fluoroadenine | H | O-acyl |
| CF ₃ | H | S | 2-Amino-8-fluorohypoxanthine | H | O-acyl |
| CF ₃ | H | S | 2-Aminohypoxanthine | H | O-acyl |
| CF ₃ | H | S | 2-N-acetylguanine | H | O-acyl |
| CF ₃ | H | S | 4-N-acetylcytosine | H | O-acyl |
| CF ₃ | H | S | 6-N-acetyladenine | H | O-acyl |
| CF ₃ | H | S | 2-N-acetyl-8-fluoroguanine | H | O-acyl |
| CF ₃ | H | S | 4-N-acetyl-5-fluorocytosine | H | O-acyl |
| CF ₃ | H | S | 6-N-acetyl-2-fluoroadenine | H | O-acyl |
| CF ₃ | H | S | 6-N-acetyl-2,8-difluoroadenine | H | O-acyl |
| CF ₃ | H | S | 6-N-acetyl-2-aminoadenine | H | O-acyl |
| CF ₃ | H | S | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-acyl |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CF ₃ | H | S | 2-N-acetylaminoadenine | H | O-acyl |
| CF ₃ | H | S | 2-N-acetylamino-8-fluoroadenine | H | O-acyl |
| CF ₃ | H | S | 2-N-acetylamino-8-fluorohypoxanthine | H | O-acyl |
| CF ₃ | H | S | 2-N-acetylaminohypoxanthine | H | O-acyl |
| CF ₃ | O-amino acid | S | Thymine | H | O-acyl |
| CF ₃ | O-amino acid | S | Uracil | H | O-acyl |
| CF ₃ | O-amino acid | S | Guanine | H | O-acyl |
| CF ₃ | O-amino acid | S | Cytosine | H | O-acyl |
| CF ₃ | O-amino acid | S | Adenine | H | O-acyl |
| CF ₃ | O-amino acid | S | Hypoxanthine | H | O-acyl |
| CF ₃ | O-amino acid | S | 5-Fluorouracil | H | O-acyl |
| CF ₃ | O-amino acid | S | 8-Fluoroguanine | H | O-acyl |
| CF ₃ | O-amino acid | S | 5-Fluorocytosine | H | O-acyl |
| CF ₃ | O-amino acid | S | 8-Fluoroadenine | H | O-acyl |
| CF ₃ | O-amino acid | S | 2-Fluoroadenine | H | O-acyl |
| CF ₃ | O-amino acid | S | 2,8-Difluoroadenine | H | O-acyl |
| CF ₃ | O-amino acid | S | 2-Fluorohypoxanthine | H | O-acyl |
| CF ₃ | O-amino acid | S | 8-Fluorohypoxanthine | H | O-acyl |
| CF ₃ | O-amino acid | S | 2,8-Difluorohypoxanthine | H | O-acyl |
| CF ₃ | O-amino acid | S | 2-Aminoadenine | H | O-acyl |
| CF ₃ | O-amino acid | S | 2-Amino-8-fluoroadenine | H | O-acyl |
| CF ₃ | O-amino acid | S | 2-Amino-8-fluorohypoxanthine | H | O-acyl |
| CF ₃ | O-amino acid | S | 2-Aminohypoxanthine | H | O-acyl |
| CF ₃ | O-amino acid | S | 2-N-acetylguanine | H | O-acyl |
| CF ₃ | O-amino acid | S | 4-N-acetylcytosine | H | O-acyl |
| CF ₃ | O-amino acid | S | 6-N-acetyladenine | H | O-acyl |
| CF ₃ | O-amino acid | S | 2-N-acetyl-8-fluoroguanine | H | O-acyl |
| CF ₃ | O-amino acid | S | 4-N-acetyl-5-fluorocytosine | H | O-acyl |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-fluoroadenine | H | O-acyl |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2,8-difluoroadenine | H | O-acyl |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-aminoadenine | H | O-acyl |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-acyl |
| CF ₃ | O-amino acid | S | 2-N-acetylaminoadenine | H | O-acyl |
| CF ₃ | O-amino acid | S | 2-N-acetylamino-8-fluoroadenine | H | O-acyl |
| CF ₃ | O-amino acid | S | 2-N-acetylamino-8-fluorohypoxanthine | H | O-acyl |
| CF ₃ | O-amino acid | S | 2-N-acetylaminohypoxanthine | H | O-acyl |
| CF ₃ | O-acyl | S | Thymine | H | O-acyl |
| CF ₃ | O-acyl | S | Uracil | H | O-acyl |
| CF ₃ | O-acyl | S | Guanine | H | O-acyl |
| CF ₃ | O-acyl | S | Cytosine | H | O-acyl |
| CF ₃ | O-acyl | S | Adenine | H | O-acyl |
| CF ₃ | O-acyl | S | Hypoxanthine | H | O-acyl |
| CF ₃ | O-acyl | S | 5-Fluorouracil | H | O-acyl |
| CF ₃ | O-acyl | S | 8-Fluoroguanine | H | O-acyl |
| CF ₃ | O-acyl | S | 5-Fluorocytosine | H | O-acyl |
| CF ₃ | O-acyl | S | 8-Fluoroadenine | H | O-acyl |
| CF ₃ | O-acyl | S | 2-Fluoroadenine | H | O-acyl |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CF ₃ | O-acyl | S | 2,8-Difluoroadenine | H | O-acyl |
| CF ₃ | O-acyl | S | 2-Fluorohypoxanthine | H | O-acyl |
| CF ₃ | O-acyl | S | 8-Fluorohypoxanthine | H | O-acyl |
| CF ₃ | O-acyl | S | 2,8-Difluorohypoxanthine | H | O-acyl |
| CF ₃ | O-acyl | S | 2-Aminoadenine | H | O-acyl |
| CF ₃ | O-acyl | S | 2-Amino-8-fluoroadenine | H | O-acyl |
| CF ₃ | O-acyl | S | 2-Amino-8-fluorohypoxanthine | H | O-acyl |
| CF ₃ | O-acyl | S | 2-Aminohypoxanthine | H | O-acyl |
| CF ₃ | O-acyl | S | 2-N-acetylguanine | H | O-acyl |
| CF ₃ | O-acyl | S | 4-N-acetylcytosine | H | O-acyl |
| CF ₃ | O-acyl | S | 6-N-acetyladenine | H | O-acyl |
| CF ₃ | O-acyl | S | 2-N-acetyl-8-fluoroguanine | H | O-acyl |
| CF ₃ | O-acyl | S | 4-N-acetyl-5-fluorocytosine | H | O-acyl |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-fluoroadenine | H | O-acyl |
| CF ₃ | O-acyl | S | 6-N-acetyl-2,8-difluoroadenine | H | O-acyl |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-aminoadenine | H | O-acyl |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-acyl |
| CF ₃ | O-acyl | S | 2-N-acetylaminoadenine | H | O-acyl |
| CF ₃ | O-acyl | S | 2-N-acetylamino-8-fluoroadenine | H | O-acyl |
| CF ₃ | O-acyl | S | 2-N-acetylamino-8-fluorohypoxanthine | H | O-acyl |
| CF ₃ | O-acyl | S | 2-N-acetylaminohypoxanthine | H | O-acyl |
| CF ₃ | OH | S | Thymine | H | O-acyl |
| CF ₃ | OH | S | Uracil | H | O-acyl |
| CF ₃ | OH | S | Guanine | H | O-acyl |
| CF ₃ | OH | S | Cytosine | H | O-acyl |
| CF ₃ | OH | S | Adenine | H | O-acyl |
| CF ₃ | OH | S | Hypoxanthine | H | O-acyl |
| CF ₃ | OH | S | 5-Fluorouracil | H | O-acyl |
| CF ₃ | OH | S | 8-Fluoroguanine | H | O-acyl |
| CF ₃ | OH | S | 5-Fluorocytosine | H | O-acyl |
| CF ₃ | OH | S | 8-Fluoroadenine | H | O-acyl |
| CF ₃ | OH | S | 2-Fluoroadenine | H | O-acyl |
| CF ₃ | OH | S | 2,8-Difluoroadenine | H | O-acyl |
| CF ₃ | OH | S | 2-Fluorohypoxanthine | H | O-acyl |
| CF ₃ | OH | S | 8-Fluorohypoxanthine | H | O-acyl |
| CF ₃ | OH | S | 2,8-Difluorohypoxanthine | H | O-acyl |
| CF ₃ | OH | S | 2-Aminoadenine | H | O-acyl |
| CF ₃ | OH | S | 2-Amino-8-fluoroadenine | H | O-acyl |
| CF ₃ | OH | S | 2-Amino-8-fluorohypoxanthine | H | O-acyl |
| CF ₃ | OH | S | 2-Aminohypoxanthine | H | O-acyl |
| CF ₃ | OH | S | 2-N-acetylguanine | H | O-acyl |
| CF ₃ | OH | S | 4-N-acetylcytosine | H | O-acyl |
| CF ₃ | OH | S | 6-N-acetyladenine | H | O-acyl |
| CF ₃ | OH | S | 2-N-acetyl-8-fluoroguanine | H | O-acyl |
| CF ₃ | OH | S | 4-N-acetyl-5-fluorocytosine | H | O-acyl |
| CF ₃ | OH | S | 6-N-acetyl-2-fluoroadenine | H | O-acyl |
| CF ₃ | OH | S | 6-N-acetyl-2,8-difluoroadenine | H | O-acyl |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CF ₃ | OH | S | 6-N-acetyl-2-aminoadenine | H | O-acyl |
| CF ₃ | OH | S | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-acyl |
| CF ₃ | OH | S | 2-N-acetylaminoadenine | H | O-acyl |
| CF ₃ | OH | S | 2-N-acetyl-amino-8-fluoroadenine | H | O-acyl |
| CF ₃ | OH | S | 2-N-acetyl-amino-8-fluorohypoxanthine | H | O-acyl |
| CF ₃ | OH | S | 2-N-acetylaminohypoxanthine | H | O-acyl |
| CF ₃ | H | S | Thymine | OH | O-acyl |
| CF ₃ | H | S | Uracil | OH | O-acyl |
| CF ₃ | H | S | Guanine | OH | O-acyl |
| CF ₃ | H | S | Cytosine | OH | O-acyl |
| CF ₃ | H | S | Adenine | OH | O-acyl |
| CF ₃ | H | S | Hypoxanthine | OH | O-acyl |
| CF ₃ | H | S | 5-Fluorouracil | OH | O-acyl |
| CF ₃ | H | S | 8-Fluoroguanine | OH | O-acyl |
| CF ₃ | H | S | 5-Fluorocytosine | OH | O-acyl |
| CF ₃ | H | S | 8-Fluoroadenine | OH | O-acyl |
| CF ₃ | H | S | 2-Fluoroadenine | OH | O-acyl |
| CF ₃ | H | S | 2,8-Difluoroadenine | OH | O-acyl |
| CF ₃ | H | S | 2-Fluorohypoxanthine | OH | O-acyl |
| CF ₃ | H | S | 8-Fluorohypoxanthine | OH | O-acyl |
| CF ₃ | H | S | 2,8-Difluorohypoxanthine | OH | O-acyl |
| CF ₃ | H | S | 2-Aminoadenine | OH | O-acyl |
| CF ₃ | H | S | 2-Amino-8-fluoroadenine | OH | O-acyl |
| CF ₃ | H | S | 2-Amino-8-fluorohypoxanthine | OH | O-acyl |
| CF ₃ | H | S | 2-Aminohypoxanthine | OH | O-acyl |
| CF ₃ | H | S | 2-N-acetylguanine | OH | O-acyl |
| CF ₃ | H | S | 4-N-acetylcytosine | OH | O-acyl |
| CF ₃ | H | S | 6-N-acetyl-adenine | OH | O-acyl |
| CF ₃ | H | S | 2-N-acetyl-8-fluoroguanine | OH | O-acyl |
| CF ₃ | H | S | 4-N-acetyl-5-fluorocytosine | OH | O-acyl |
| CF ₃ | H | S | 6-N-acetyl-2-fluoroadenine | OH | O-acyl |
| CF ₃ | H | S | 6-N-acetyl-2,8-difluoroadenine | OH | O-acyl |
| CF ₃ | H | S | 6-N-acetyl-2-aminoadenine | OH | O-acyl |
| CF ₃ | H | S | 6-N-acetyl-2-amino-8-fluoroadenine | OH | O-acyl |
| CF ₃ | H | S | 2-N-acetylaminoadenine | OH | O-acyl |
| CF ₃ | H | S | 2-N-acetyl-amino-8-fluoroadenine | OH | O-acyl |
| CF ₃ | H | S | 2-N-acetyl-amino-8-fluorohypoxanthine | OH | O-acyl |
| CF ₃ | H | S | 2-N-acetylaminohypoxanthine | OH | O-acyl |
| CF ₃ | H | S | Thymine | F | O-amino acid |
| CF ₃ | H | S | Uracil | F | O-amino acid |
| CF ₃ | H | S | Guanine | F | O-amino acid |
| CF ₃ | H | S | Cytosine | F | O-amino acid |
| CF ₃ | H | S | Adenine | F | O-amino acid |
| CF ₃ | H | S | Hypoxanthine | F | O-amino acid |
| CF ₃ | H | S | 5-Fluorouracil | F | O-amino acid |
| CF ₃ | H | S | 8-Fluoroguanine | F | O-amino acid |
| CF ₃ | H | S | 5-Fluorocytosine | F | O-amino acid |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CF ₃ | H | S | 8-Fluoroadenine | F | O-amino acid |
| CF ₃ | H | S | 2-Fluoroadenine | F | O-amino acid |
| CF ₃ | H | S | 2,8-Difluoroadenine | F | O-amino acid |
| CF ₃ | H | S | 2-Fluorohypoxanthine | F | O-amino acid |
| CF ₃ | H | S | 8-Fluorohypoxanthine | F | O-amino acid |
| CF ₃ | H | S | 2,8-Difluorohypoxanthine | F | O-amino acid |
| CF ₃ | H | S | 2-Aminoadenine | F | O-amino acid |
| CF ₃ | H | S | 2-Amino-8-fluoroadenine | F | O-amino acid |
| CF ₃ | H | S | 2-Amino-8-fluorohypoxanthine | F | O-amino acid |
| CF ₃ | H | S | 2-Aminohypoxanthine | F | O-amino acid |
| CF ₃ | H | S | 2-N-acetylguanine | F | O-amino acid |
| CF ₃ | H | S | 4-N-acetylcytosine | F | O-amino acid |
| CF ₃ | H | S | 6-N-acetyladenine | F | O-amino acid |
| CF ₃ | H | S | 2-N-acetyl-8-fluoroguanine | F | O-amino acid |
| CF ₃ | H | S | 4-N-acetyl-5-fluorocytosine | F | O-amino acid |
| CF ₃ | H | S | 6-N-acetyl-2-fluoroadenine | F | O-amino acid |
| CF ₃ | H | S | 6-N-acetyl-2,8-difluoroadenine | F | O-amino acid |
| CF ₃ | H | S | 6-N-acetyl-2-aminoadenine | F | O-amino acid |
| CF ₃ | H | S | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-amino acid |
| CF ₃ | H | S | 2-N-acetylaminoadenine | F | O-amino acid |
| CF ₃ | H | S | 2-N-acetylamino-8-fluoroadenine | F | O-amino acid |
| CF ₃ | H | S | 2-N-acetylamino-8-fluorohypoxanthine | F | O-amino acid |
| CF ₃ | H | S | 2-N-acetylaminohypoxanthine | F | O-amino acid |
| CF ₃ | O-amino acid | S | Thymine | F | O-amino acid |
| CF ₃ | O-amino acid | S | Uracil | F | O-amino acid |
| CF ₃ | O-amino acid | S | Guanine | F | O-amino acid |
| CF ₃ | O-amino acid | S | Cytosine | F | O-amino acid |
| CF ₃ | O-amino acid | S | Adenine | F | O-amino acid |
| CF ₃ | O-amino acid | S | Hypoxanthine | F | O-amino acid |
| CF ₃ | O-amino acid | S | 5-Fluorouracil | F | O-amino acid |
| CF ₃ | O-amino acid | S | 8-Fluoroguanine | F | O-amino acid |
| CF ₃ | O-amino acid | S | 5-Fluorocytosine | F | O-amino acid |
| CF ₃ | O-amino acid | S | 8-Fluoroadenine | F | O-amino acid |
| CF ₃ | O-amino acid | S | 2-Fluoroadenine | F | O-amino acid |
| CF ₃ | O-amino acid | S | 2,8-Difluoroadenine | F | O-amino acid |
| CF ₃ | O-amino acid | S | 2-Fluorohypoxanthine | F | O-amino acid |
| CF ₃ | O-amino acid | S | 8-Fluorohypoxanthine | F | O-amino acid |
| CF ₃ | O-amino acid | S | 2,8-Difluorohypoxanthine | F | O-amino acid |
| CF ₃ | O-amino acid | S | 2-Aminoadenine | F | O-amino acid |
| CF ₃ | O-amino acid | S | 2-Amino-8-fluoroadenine | F | O-amino acid |
| CF ₃ | O-amino acid | S | 2-Amino-8-fluorohypoxanthine | F | O-amino acid |
| CF ₃ | O-amino acid | S | 2-Aminohypoxanthine | F | O-amino acid |
| CF ₃ | O-amino acid | S | 2-N-acetylguanine | F | O-amino acid |
| CF ₃ | O-amino acid | S | 4-N-acetylcytosine | F | O-amino acid |
| CF ₃ | O-amino acid | S | 6-N-acetyladenine | F | O-amino acid |
| CF ₃ | O-amino acid | S | 2-N-acetyl-8-fluoroguanine | F | O-amino acid |
| CF ₃ | O-amino acid | S | 4-N-acetyl-5-fluorocytosine | F | O-amino acid |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-fluoroadenine | F | O-amino acid |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2,8-difluoroadenine | F | O-amino acid |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-aminoadenine | F | O-amino acid |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-amino acid |
| CF ₃ | O-amino acid | S | 2-N-acetylaminoadenine | F | O-amino acid |
| CF ₃ | O-amino acid | S | 2-N-acetylamino-8-fluoroadenine | F | O-amino acid |
| CF ₃ | O-amino acid | S | 2-N-acetylamino-8-fluorohypoxanthine | F | O-amino acid |
| CF ₃ | O-amino acid | S | 2-N-acetylaminohypoxanthine | F | O-amino acid |
| CF ₃ | O-acyl | S | Thymine | F | O-amino acid |
| CF ₃ | O-acyl | S | Uracil | F | O-amino acid |
| CF ₃ | O-acyl | S | Guanine | F | O-amino acid |
| CF ₃ | O-acyl | S | Cytosine | F | O-amino acid |
| CF ₃ | O-acyl | S | Adenine | F | O-amino acid |
| CF ₃ | O-acyl | S | Hypoxanthine | F | O-amino acid |
| CF ₃ | O-acyl | S | 5-Fluorouracil | F | O-amino acid |
| CF ₃ | O-acyl | S | 8-Fluoroguanine | F | O-amino acid |
| CF ₃ | O-acyl | S | 5-Fluorocytosine | F | O-amino acid |
| CF ₃ | O-acyl | S | 8-Fluoroadenine | F | O-amino acid |
| CF ₃ | O-acyl | S | 2-Fluoroadenine | F | O-amino acid |
| CF ₃ | O-acyl | S | 2,8-Difluoroadenine | F | O-amino acid |
| CF ₃ | O-acyl | S | 2-Fluorohypoxanthine | F | O-amino acid |
| CF ₃ | O-acyl | S | 8-Fluorohypoxanthine | F | O-amino acid |
| CF ₃ | O-acyl | S | 2,8-Difluorohypoxanthine | F | O-amino acid |
| CF ₃ | O-acyl | S | 2-Aminoadenine | F | O-amino acid |
| CF ₃ | O-acyl | S | 2-Amino-8-fluoroadenine | F | O-amino acid |
| CF ₃ | O-acyl | S | 2-Amino-8-fluorohypoxanthine | F | O-amino acid |
| CF ₃ | O-acyl | S | 2-Aminohypoxanthine | F | O-amino acid |
| CF ₃ | O-acyl | S | 2-N-acetylguanine | F | O-amino acid |
| CF ₃ | O-acyl | S | 4-N-acetylcytosine | F | O-amino acid |
| CF ₃ | O-acyl | S | 6-N-acetyladenine | F | O-amino acid |
| CF ₃ | O-acyl | S | 2-N-acetyl-8-fluoroguanine | F | O-amino acid |
| CF ₃ | O-acyl | S | 4-N-acetyl-5-fluorocytosine | F | O-amino acid |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-fluoroadenine | F | O-amino acid |
| CF ₃ | O-acyl | S | 6-N-acetyl-2,8-difluoroadenine | F | O-amino acid |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-aminoadenine | F | O-amino acid |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-amino acid |
| CF ₃ | O-acyl | S | 2-N-acetylaminoadenine | F | O-amino acid |
| CF ₃ | O-acyl | S | 2-N-acetylamino-8-fluoroadenine | F | O-amino acid |
| CF ₃ | O-acyl | S | 2-N-acetylamino-8-fluorohypoxanthine | F | O-amino acid |
| CF ₃ | O-acyl | S | 2-N-acetylaminohypoxanthine | F | O-amino acid |
| CF ₃ | OH | S | Thymine | F | O-amino acid |
| CF ₃ | OH | S | Uracil | F | O-amino acid |
| CF ₃ | OH | S | Guanine | F | O-amino acid |
| CF ₃ | OH | S | Cytosine | F | O-amino acid |
| CF ₃ | OH | S | Adenine | F | O-amino acid |
| CF ₃ | OH | S | Hypoxanthine | F | O-amino acid |
| CF ₃ | OH | S | 5-Fluorouracil | F | O-amino acid |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CF ₃ | OH | S | 8-Fluoroguanine | F | O-amino acid |
| CF ₃ | OH | S | 5-Fluorocytosine | F | O-amino acid |
| CF ₃ | OH | S | 8-Fluoroadenine | F | O-amino acid |
| CF ₃ | OH | S | 2-Fluoroadenine | F | O-amino acid |
| CF ₃ | OH | S | 2,8-Difluoroadenine | F | O-amino acid |
| CF ₃ | OH | S | 2-Fluorohypoxanthine | F | O-amino acid |
| CF ₃ | OH | S | 8-Fluorohypoxanthine | F | O-amino acid |
| CF ₃ | OH | S | 2,8-Difluorohypoxanthine | F | O-amino acid |
| CF ₃ | OH | S | 2-Aminoadenine | F | O-amino acid |
| CF ₃ | OH | S | 2-Amino-8-fluoroadenine | F | O-amino acid |
| CF ₃ | OH | S | 2-Amino-8-fluorohypoxanthine | F | O-amino acid |
| CF ₃ | OH | S | 2-Aminohypoxanthine | F | O-amino acid |
| CF ₃ | OH | S | 2-N-acetylguanine | F | O-amino acid |
| CF ₃ | OH | S | 4-N-acetylcytosine | F | O-amino acid |
| CF ₃ | OH | S | 6-N-acetyladenine | F | O-amino acid |
| CF ₃ | OH | S | 2-N-acetyl-8-fluoroguanine | F | O-amino acid |
| CF ₃ | OH | S | 4-N-acetyl-5-fluorocytosine | F | O-amino acid |
| CF ₃ | OH | S | 6-N-acetyl-2-fluoroadenine | F | O-amino acid |
| CF ₃ | OH | S | 6-N-acetyl-2,8-difluoroadenine | F | O-amino acid |
| CF ₃ | OH | S | 6-N-acetyl-2-aminoadenine | F | O-amino acid |
| CF ₃ | OH | S | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-amino acid |
| CF ₃ | OH | S | 2-N-acetylaminoadenine | F | O-amino acid |
| CF ₃ | OH | S | 2-N-acetyl-amino-8-fluoroadenine | F | O-amino acid |
| CF ₃ | OH | S | 2-N-acetyl-amino-8-fluorohypoxanthine | F | O-amino acid |
| CF ₃ | OH | S | 2-N-acetylaminohypoxanthine | F | O-amino acid |
| CF ₃ | H | S | Thymine | Br | O-amino acid |
| CF ₃ | H | S | Uracil | Br | O-amino acid |
| CF ₃ | H | S | Guanine | Br | O-amino acid |
| CF ₃ | H | S | Cytosine | Br | O-amino acid |
| CF ₃ | H | S | Adenine | Br | O-amino acid |
| CF ₃ | H | S | Hypoxanthine | Br | O-amino acid |
| CF ₃ | H | S | 5-Fluorouracil | Br | O-amino acid |
| CF ₃ | H | S | 8-Fluoroguanine | Br | O-amino acid |
| CF ₃ | H | S | 5-Fluorocytosine | Br | O-amino acid |
| CF ₃ | H | S | 8-Fluoroadenine | Br | O-amino acid |
| CF ₃ | H | S | 2-Fluoroadenine | Br | O-amino acid |
| CF ₃ | H | S | 2,8-Difluoroadenine | Br | O-amino acid |
| CF ₃ | H | S | 2-Fluorohypoxanthine | Br | O-amino acid |
| CF ₃ | H | S | 8-Fluorohypoxanthine | Br | O-amino acid |
| CF ₃ | H | S | 2,8-Difluorohypoxanthine | Br | O-amino acid |
| CF ₃ | H | S | 2-Aminoadenine | Br | O-amino acid |
| CF ₃ | H | S | 2-Amino-8-fluoroadenine | Br | O-amino acid |
| CF ₃ | H | S | 2-Amino-8-fluorohypoxanthine | Br | O-amino acid |
| CF ₃ | H | S | 2-Aminohypoxanthine | Br | O-amino acid |
| CF ₃ | H | S | 2-N-acetylguanine | Br | O-amino acid |
| CF ₃ | H | S | 4-N-acetylcytosine | Br | O-amino acid |
| CF ₃ | H | S | 6-N-acetyladenine | Br | O-amino acid |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CF ₃ | H | S | 2-N-acetyl-8-fluoroguanine | Br | O-amino acid |
| CF ₃ | H | S | 4-N-acetyl-5-fluorocytosine | Br | O-amino acid |
| CF ₃ | H | S | 6-N-acetyl-2-fluoroadenine | Br | O-amino acid |
| CF ₃ | H | S | 6-N-acetyl-2,8-difluoroadenine | Br | O-amino acid |
| CF ₃ | H | S | 6-N-acetyl-2-aminoadenine | Br | O-amino acid |
| CF ₃ | H | S | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-amino acid |
| CF ₃ | H | S | 2-N-acetylaminoadenine | Br | O-amino acid |
| CF ₃ | H | S | 2-N-acetyl-amino-8-fluoroadenine | Br | O-amino acid |
| CF ₃ | H | S | 2-N-acetyl-amino-8-fluorohypoxanthine | Br | O-amino acid |
| CF ₃ | H | S | 2-N-acetylaminohypoxanthine | Br | O-amino acid |
| CF ₃ | O-amino acid | S | Thymine | Br | O-amino acid |
| CF ₃ | O-amino acid | S | Uracil | Br | O-amino acid |
| CF ₃ | O-amino acid | S | Guanine | Br | O-amino acid |
| CF ₃ | O-amino acid | S | Cytosine | Br | O-amino acid |
| CF ₃ | O-amino acid | S | Adenine | Br | O-amino acid |
| CF ₃ | O-amino acid | S | Hypoxanthine | Br | O-amino acid |
| CF ₃ | O-amino acid | S | 5-Fluorouracil | Br | O-amino acid |
| CF ₃ | O-amino acid | S | 8-Fluoroguanine | Br | O-amino acid |
| CF ₃ | O-amino acid | S | 5-Fluorocytosine | Br | O-amino acid |
| CF ₃ | O-amino acid | S | 8-Fluoroadenine | Br | O-amino acid |
| CF ₃ | O-amino acid | S | 2-Fluoroadenine | Br | O-amino acid |
| CF ₃ | O-amino acid | S | 2,8-Difluoroadenine | Br | O-amino acid |
| CF ₃ | O-amino acid | S | 2-Fluorohypoxanthine | Br | O-amino acid |
| CF ₃ | O-amino acid | S | 8-Fluorohypoxanthine | Br | O-amino acid |
| CF ₃ | O-amino acid | S | 2,8-Difluorohypoxanthine | Br | O-amino acid |
| CF ₃ | O-amino acid | S | 2-Aminoadenine | Br | O-amino acid |
| CF ₃ | O-amino acid | S | 2-Amino-8-fluoroadenine | Br | O-amino acid |
| CF ₃ | O-amino acid | S | 2-Amino-8-fluorohypoxanthine | Br | O-amino acid |
| CF ₃ | O-amino acid | S | 2-Aminohypoxanthine | Br | O-amino acid |
| CF ₃ | O-amino acid | S | 2-N-acetylguanine | Br | O-amino acid |
| CF ₃ | O-amino acid | S | 4-N-acetylcytosine | Br | O-amino acid |
| CF ₃ | O-amino acid | S | 6-N-acetyladenine | Br | O-amino acid |
| CF ₃ | O-amino acid | S | 2-N-acetyl-8-fluoroguanine | Br | O-amino acid |
| CF ₃ | O-amino acid | S | 4-N-acetyl-5-fluorocytosine | Br | O-amino acid |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-fluoroadenine | Br | O-amino acid |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2,8-difluoroadenine | Br | O-amino acid |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-aminoadenine | Br | O-amino acid |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-amino acid |
| CF ₃ | O-amino acid | S | 2-N-acetylaminoadenine | Br | O-amino acid |
| CF ₃ | O-amino acid | S | 2-N-acetyl-amino-8-fluoroadenine | Br | O-amino acid |
| CF ₃ | O-amino acid | S | 2-N-acetyl-amino-8-fluorohypoxanthine | Br | O-amino acid |
| CF ₃ | O-amino acid | S | 2-N-acetylaminohypoxanthine | Br | O-amino acid |
| CF ₃ | O-acyl | S | Thymine | Br | O-amino acid |
| CF ₃ | O-acyl | S | Uracil | Br | O-amino acid |
| CF ₃ | O-acyl | S | Guanine | Br | O-amino acid |
| CF ₃ | O-acyl | S | Cytosine | Br | O-amino acid |
| CF ₃ | O-acyl | S | Adenine | Br | O-amino acid |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CF ₃ | O-acyl | S | Hypoxanthine | Br | O-amino acid |
| CF ₃ | O-acyl | S | 5-Fluorouracil | Br | O-amino acid |
| CF ₃ | O-acyl | S | 8-Fluoroguanine | Br | O-amino acid |
| CF ₃ | O-acyl | S | 5-Fluorocytosine | Br | O-amino acid |
| CF ₃ | O-acyl | S | 8-Fluoroadenine | Br | O-amino acid |
| CF ₃ | O-acyl | S | 2-Fluoroadenine | Br | O-amino acid |
| CF ₃ | O-acyl | S | 2,8-Difluoroadenine | Br | O-amino acid |
| CF ₃ | O-acyl | S | 2-Fluorohypoxanthine | Br | O-amino acid |
| CF ₃ | O-acyl | S | 8-Fluorohypoxanthine | Br | O-amino acid |
| CF ₃ | O-acyl | S | 2,8-Difluorohypoxanthine | Br | O-amino acid |
| CF ₃ | O-acyl | S | 2-Aminoadenine | Br | O-amino acid |
| CF ₃ | O-acyl | S | 2-Amino-8-fluoroadenine | Br | O-amino acid |
| CF ₃ | O-acyl | S | 2-Amino-8-fluorohypoxanthine | Br | O-amino acid |
| CF ₃ | O-acyl | S | 2-Aminohypoxanthine | Br | O-amino acid |
| CF ₃ | O-acyl | S | 2-N-acetylguanine | Br | O-amino acid |
| CF ₃ | O-acyl | S | 4-N-acetylcytosine | Br | O-amino acid |
| CF ₃ | O-acyl | S | 6-N-acetyladenine | Br | O-amino acid |
| CF ₃ | O-acyl | S | 2-N-acetyl-8-fluoroguanine | Br | O-amino acid |
| CF ₃ | O-acyl | S | 4-N-acetyl-5-fluorocytosine | Br | O-amino acid |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-fluoroadenine | Br | O-amino acid |
| CF ₃ | O-acyl | S | 6-N-acetyl-2,8-difluoroadenine | Br | O-amino acid |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-aminoadenine | Br | O-amino acid |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-amino acid |
| CF ₃ | O-acyl | S | 2-N-acetylaminoadenine | Br | O-amino acid |
| CF ₃ | O-acyl | S | 2-N-acetylamino-8-fluoroadenine | Br | O-amino acid |
| CF ₃ | O-acyl | S | 2-N-acetylamino-8-fluorohypoxanthine | Br | O-amino acid |
| CF ₃ | O-acyl | S | 2-N-acetylaminohypoxanthine | Br | O-amino acid |
| CF ₃ | OH | S | Thymine | Br | O-amino acid |
| CF ₃ | OH | S | Uracil | Br | O-amino acid |
| CF ₃ | OH | S | Guanine | Br | O-amino acid |
| CF ₃ | OH | S | Cytosine | Br | O-amino acid |
| CF ₃ | OH | S | Adenine | Br | O-amino acid |
| CF ₃ | OH | S | Hypoxanthine | Br | O-amino acid |
| CF ₃ | OH | S | 5-Fluorouracil | Br | O-amino acid |
| CF ₃ | OH | S | 8-Fluoroguanine | Br | O-amino acid |
| CF ₃ | OH | S | 5-Fluorocytosine | Br | O-amino acid |
| CF ₃ | OH | S | 8-Fluoroadenine | Br | O-amino acid |
| CF ₃ | OH | S | 2-Fluoroadenine | Br | O-amino acid |
| CF ₃ | OH | S | 2,8-Difluoroadenine | Br | O-amino acid |
| CF ₃ | OH | S | 2-Fluorohypoxanthine | Br | O-amino acid |
| CF ₃ | OH | S | 8-Fluorohypoxanthine | Br | O-amino acid |
| CF ₃ | OH | S | 2,8-Difluorohypoxanthine | Br | O-amino acid |
| CF ₃ | OH | S | 2-Aminoadenine | Br | O-amino acid |
| CF ₃ | OH | S | 2-Amino-8-fluoroadenine | Br | O-amino acid |
| CF ₃ | OH | S | 2-Amino-8-fluorohypoxanthine | Br | O-amino acid |
| CF ₃ | OH | S | 2-Aminohypoxanthine | Br | O-amino acid |
| CF ₃ | OH | S | 2-N-acetylguanine | Br | O-amino acid |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CF ₃ | OH | S | 4-N-acetylcytosine | Br | O-amino acid |
| CF ₃ | OH | S | 6-N-acetyl原因 | Br | O-amino acid |
| CF ₃ | OH | S | 2-N-acetyl-8-fluoroguanine | Br | O-amino acid |
| CF ₃ | OH | S | 4-N-acetyl-5-fluorocytosine | Br | O-amino acid |
| CF ₃ | OH | S | 6-N-acetyl-2-fluoroadenine | Br | O-amino acid |
| CF ₃ | OH | S | 6-N-acetyl-2,8-difluoroadenine | Br | O-amino acid |
| CF ₃ | OH | S | 6-N-acetyl-2-aminoadenine | Br | O-amino acid |
| CF ₃ | OH | S | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-amino acid |
| CF ₃ | OH | S | 2-N-acetylaminoadenine | Br | O-amino acid |
| CF ₃ | OH | S | 2-N-acetylamino-8-fluoroadenine | Br | O-amino acid |
| CF ₃ | OH | S | 2-N-acetylamino-8-fluorohypoxanthine | Br | O-amino acid |
| CF ₃ | OH | S | 2-N-acetyl原因 | Br | O-amino acid |
| CF ₃ | H | S | Thymine | Cl | O-amino acid |
| CF ₃ | H | S | Uracil | Cl | O-amino acid |
| CF ₃ | H | S | Guanine | Cl | O-amino acid |
| CF ₃ | H | S | Cytosine | Cl | O-amino acid |
| CF ₃ | H | S | Adenine | Cl | O-amino acid |
| CF ₃ | H | S | Hypoxanthine | Cl | O-amino acid |
| CF ₃ | H | S | 5-Fluorouracil | Cl | O-amino acid |
| CF ₃ | H | S | 8-Fluoroguanine | Cl | O-amino acid |
| CF ₃ | H | S | 5-Fluorocytosine | Cl | O-amino acid |
| CF ₃ | H | S | 8-Fluoroadenine | Cl | O-amino acid |
| CF ₃ | H | S | 2-Fluoroadenine | Cl | O-amino acid |
| CF ₃ | H | S | 2,8-Difluoroadenine | Cl | O-amino acid |
| CF ₃ | H | S | 2-Fluorohypoxanthine | Cl | O-amino acid |
| CF ₃ | H | S | 8-Fluorohypoxanthine | Cl | O-amino acid |
| CF ₃ | H | S | 2,8-Difluorohypoxanthine | Cl | O-amino acid |
| CF ₃ | H | S | 2-Aminoadenine | Cl | O-amino acid |
| CF ₃ | H | S | 2-Amino-8-fluoroadenine | Cl | O-amino acid |
| CF ₃ | H | S | 2-Amino-8-fluorohypoxanthine | Cl | O-amino acid |
| CF ₃ | H | S | 2-Aminohypoxanthine | Cl | O-amino acid |
| CF ₃ | H | S | 2-N-acetyl原因 | Cl | O-amino acid |
| CF ₃ | H | S | 4-N-acetylcytosine | Cl | O-amino acid |
| CF ₃ | H | S | 6-N-acetyl原因 | Cl | O-amino acid |
| CF ₃ | H | S | 2-N-acetyl-8-fluoroguanine | Cl | O-amino acid |
| CF ₃ | H | S | 4-N-acetyl-5-fluorocytosine | Cl | O-amino acid |
| CF ₃ | H | S | 6-N-acetyl-2-fluoroadenine | Cl | O-amino acid |
| CF ₃ | H | S | 6-N-acetyl-2,8-difluoroadenine | Cl | O-amino acid |
| CF ₃ | H | S | 6-N-acetyl-2-aminoadenine | Cl | O-amino acid |
| CF ₃ | H | S | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-amino acid |
| CF ₃ | H | S | 2-N-acetylaminoadenine | Cl | O-amino acid |
| CF ₃ | H | S | 2-N-acetylamino-8-fluoroadenine | Cl | O-amino acid |
| CF ₃ | H | S | 2-N-acetylamino-8-fluorohypoxanthine | Cl | O-amino acid |
| CF ₃ | H | S | 2-N-acetyl原因 | Cl | O-amino acid |
| CF ₃ | O-amino acid | S | Thymine | Cl | O-amino acid |
| CF ₃ | O-amino acid | S | Uracil | Cl | O-amino acid |
| CF ₃ | O-amino acid | S | Guanine | Cl | O-amino acid |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CF ₃ | O-amino acid | S | Cytosine | Cl | O-amino acid |
| CF ₃ | O-amino acid | S | Adenine | Cl | O-amino acid |
| CF ₃ | O-amino acid | S | Hypoxanthine | Cl | O-amino acid |
| CF ₃ | O-amino acid | S | 5-Fluorouracil | Cl | O-amino acid |
| CF ₃ | O-amino acid | S | 8-Fluoroguanine | Cl | O-amino acid |
| CF ₃ | O-amino acid | S | 5-Fluorocytosine | Cl | O-amino acid |
| CF ₃ | O-amino acid | S | 8-Fluoroadenine | Cl | O-amino acid |
| CF ₃ | O-amino acid | S | 2-Fluoroadenine | Cl | O-amino acid |
| CF ₃ | O-amino acid | S | 2,8-Difluoroadenine | Cl | O-amino acid |
| CF ₃ | O-amino acid | S | 2-Fluorohypoxanthine | Cl | O-amino acid |
| CF ₃ | O-amino acid | S | 8-Fluorohypoxanthine | Cl | O-amino acid |
| CF ₃ | O-amino acid | S | 2,8-Difluorohypoxanthine | Cl | O-amino acid |
| CF ₃ | O-amino acid | S | 2-Aminoadenine | Cl | O-amino acid |
| CF ₃ | O-amino acid | S | 2-Amino-8-fluoroadenine | Cl | O-amino acid |
| CF ₃ | O-amino acid | S | 2-Amino-8-fluorohypoxanthine | Cl | O-amino acid |
| CF ₃ | O-amino acid | S | 2-Aminohypoxanthine | Cl | O-amino acid |
| CF ₃ | O-amino acid | S | 2-N-acetylguanine | Cl | O-amino acid |
| CF ₃ | O-amino acid | S | 4-N-acetylcytosine | Cl | O-amino acid |
| CF ₃ | O-amino acid | S | 6-N-acetyladenine | Cl | O-amino acid |
| CF ₃ | O-amino acid | S | 2-N-acetyl-8-fluoroguanine | Cl | O-amino acid |
| CF ₃ | O-amino acid | S | 4-N-acetyl-5-fluorocytosine | Cl | O-amino acid |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-fluoroadenine | Cl | O-amino acid |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2,8-difluoroadenine | Cl | O-amino acid |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-aminoadenine | Cl | O-amino acid |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-amino acid |
| CF ₃ | O-amino acid | S | 2-N-acetylaminoadenine | Cl | O-amino acid |
| CF ₃ | O-amino acid | S | 2-N-acetylamino-8-fluoroadenine | Cl | O-amino acid |
| CF ₃ | O-amino acid | S | 2-N-acetylamino-8-fluorohypoxanthine | Cl | O-amino acid |
| CF ₃ | O-amino acid | S | 2-N-acetylaminothypoxanthine | Cl | O-amino acid |
| CF ₃ | O-acyl | S | Thymine | Cl | O-amino acid |
| CF ₃ | O-acyl | S | Uracil | Cl | O-amino acid |
| CF ₃ | O-acyl | S | Guanine | Cl | O-amino acid |
| CF ₃ | O-acyl | S | Cytosine | Cl | O-amino acid |
| CF ₃ | O-acyl | S | Adenine | Cl | O-amino acid |
| CF ₃ | O-acyl | S | Hypoxanthine | Cl | O-amino acid |
| CF ₃ | O-acyl | S | 5-Fluorouracil | Cl | O-amino acid |
| CF ₃ | O-acyl | S | 8-Fluoroguanine | Cl | O-amino acid |
| CF ₃ | O-acyl | S | 5-Fluorocytosine | Cl | O-amino acid |
| CF ₃ | O-acyl | S | 8-Fluoroadenine | Cl | O-amino acid |
| CF ₃ | O-acyl | S | 2-Fluoroadenine | Cl | O-amino acid |
| CF ₃ | O-acyl | S | 2,8-Difluoroadenine | Cl | O-amino acid |
| CF ₃ | O-acyl | S | 2-Fluorohypoxanthine | Cl | O-amino acid |
| CF ₃ | O-acyl | S | 8-Fluorohypoxanthine | Cl | O-amino acid |
| CF ₃ | O-acyl | S | 2,8-Difluorohypoxanthine | Cl | O-amino acid |
| CF ₃ | O-acyl | S | 2-Aminoadenine | Cl | O-amino acid |
| CF ₃ | O-acyl | S | 2-Amino-8-fluoroadenine | Cl | O-amino acid |
| CF ₃ | O-acyl | S | 2-Amino-8-fluorohypoxanthine | Cl | O-amino acid |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CF ₃ | O-acyl | S | 2-Aminohypoxanthine | Cl | O-amino acid |
| CF ₃ | O-acyl | S | 2-N-acetylguanine | Cl | O-amino acid |
| CF ₃ | O-acyl | S | 4-N-acetylcytosine | Cl | O-amino acid |
| CF ₃ | O-acyl | S | 6-N-acetyladenine | Cl | O-amino acid |
| CF ₃ | O-acyl | S | 2-N-acetyl-8-fluoroguanine | Cl | O-amino acid |
| CF ₃ | O-acyl | S | 4-N-acetyl-5-fluorocytosine | Cl | O-amino acid |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-fluoroadenine | Cl | O-amino acid |
| CF ₃ | O-acyl | S | 6-N-acetyl-2,8-difluoroadenine | Cl | O-amino acid |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-aminoadenine | Cl | O-amino acid |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-amino acid |
| CF ₃ | O-acyl | S | 2-N-acetylaminoadenine | Cl | O-amino acid |
| CF ₃ | O-acyl | S | 2-N-acetyl-amino-8-fluoroadenine | Cl | O-amino acid |
| CF ₃ | O-acyl | S | 2-N-acetyl-amino-8-fluorohypoxanthine | Cl | O-amino acid |
| CF ₃ | O-acyl | S | 2-N-acetylaminohypoxanthine | Cl | O-amino acid |
| CF ₃ | OH | S | Thymine | Cl | O-amino acid |
| CF ₃ | OH | S | Uracil | Cl | O-amino acid |
| CF ₃ | OH | S | Guanine | Cl | O-amino acid |
| CF ₃ | OH | S | Cytosine | Cl | O-amino acid |
| CF ₃ | OH | S | Adenine | Cl | O-amino acid |
| CF ₃ | OH | S | Hypoxanthine | Cl | O-amino acid |
| CF ₃ | OH | S | 5-Fluorouracil | Cl | O-amino acid |
| CF ₃ | OH | S | 8-Fluoroguanine | Cl | O-amino acid |
| CF ₃ | OH | S | 5-Fluorocytosine | Cl | O-amino acid |
| CF ₃ | OH | S | 8-Fluoroadenine | Cl | O-amino acid |
| CF ₃ | OH | S | 2-Fluoroadenine | Cl | O-amino acid |
| CF ₃ | OH | S | 2,8-Difluoroadenine | Cl | O-amino acid |
| CF ₃ | OH | S | 2-Fluorohypoxanthine | Cl | O-amino acid |
| CF ₃ | OH | S | 8-Fluorohypoxanthine | Cl | O-amino acid |
| CF ₃ | OH | S | 2,8-Difluorohypoxanthine | Cl | O-amino acid |
| CF ₃ | OH | S | 2-Aminoadenine | Cl | O-amino acid |
| CF ₃ | OH | S | 2-Amino-8-fluoroadenine | Cl | O-amino acid |
| CF ₃ | OH | S | 2-Amino-8-fluorohypoxanthine | Cl | O-amino acid |
| CF ₃ | OH | S | 2-Aminohypoxanthine | Cl | O-amino acid |
| CF ₃ | OH | S | 2-N-acetylguanine | Cl | O-amino acid |
| CF ₃ | OH | S | 4-N-acetylcytosine | Cl | O-amino acid |
| CF ₃ | OH | S | 6-N-acetyladenine | Cl | O-amino acid |
| CF ₃ | OH | S | 2-N-acetyl-8-fluoroguanine | Cl | O-amino acid |
| CF ₃ | OH | S | 4-N-acetyl-5-fluorocytosine | Cl | O-amino acid |
| CF ₃ | OH | S | 6-N-acetyl-2-fluoroadenine | Cl | O-amino acid |
| CF ₃ | OH | S | 6-N-acetyl-2,8-difluoroadenine | Cl | O-amino acid |
| CF ₃ | OH | S | 6-N-acetyl-2-aminoadenine | Cl | O-amino acid |
| CF ₃ | OH | S | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-amino acid |
| CF ₃ | OH | S | 2-N-acetylaminoadenine | Cl | O-amino acid |
| CF ₃ | OH | S | 2-N-acetyl-amino-8-fluoroadenine | Cl | O-amino acid |
| CF ₃ | OH | S | 2-N-acetyl-amino-8-fluorohypoxanthine | Cl | O-amino acid |
| CF ₃ | OH | S | 2-N-acetylaminohypoxanthine | Cl | O-amino acid |
| CF ₃ | H | S | Thymine | H | O-amino acid |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CF ₃ | H | S | Uracil | H | O-amino acid |
| CF ₃ | H | S | Guanine | H | O-amino acid |
| CF ₃ | H | S | Cytosine | H | O-amino acid |
| CF ₃ | H | S | Adenine | H | O-amino acid |
| CF ₃ | H | S | Hypoxanthine | H | O-amino acid |
| CF ₃ | H | S | 5-Fluorouracil | H | O-amino acid |
| CF ₃ | H | S | 8-Fluoroguanine | H | O-amino acid |
| CF ₃ | H | S | 5-Fluorocytosine | H | O-amino acid |
| CF ₃ | H | S | 8-Fluoroadenine | H | O-amino acid |
| CF ₃ | H | S | 2-Fluoroadenine | H | O-amino acid |
| CF ₃ | H | S | 2,8-Difluoroadenine | H | O-amino acid |
| CF ₃ | H | S | 2-Fluorohypoxanthine | H | O-amino acid |
| CF ₃ | H | S | 8-Fluorohypoxanthine | H | O-amino acid |
| CF ₃ | H | S | 2,8-Difluorohypoxanthine | H | O-amino acid |
| CF ₃ | H | S | 2-Aminoadenine | H | O-amino acid |
| CF ₃ | H | S | 2-Amino-8-fluoroadenine | H | O-amino acid |
| CF ₃ | H | S | 2-Amino-8-fluorohypoxanthine | H | O-amino acid |
| CF ₃ | H | S | 2-Aminohypoxanthine | H | O-amino acid |
| CF ₃ | H | S | 2-N-acetylguanine | H | O-amino acid |
| CF ₃ | H | S | 4-N-acetylcytosine | H | O-amino acid |
| CF ₃ | H | S | 6-N-acetylguanine | H | O-amino acid |
| CF ₃ | H | S | 2-N-acetyl-8-fluoroguanine | H | O-amino acid |
| CF ₃ | H | S | 4-N-acetyl-5-fluorocytosine | H | O-amino acid |
| CF ₃ | H | S | 6-N-acetyl-2-fluoroadenine | H | O-amino acid |
| CF ₃ | H | S | 6-N-acetyl-2,8-difluoroadenine | H | O-amino acid |
| CF ₃ | H | S | 6-N-acetyl-2-aminoadenine | H | O-amino acid |
| CF ₃ | H | S | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-amino acid |
| CF ₃ | H | S | 2-N-acetylaminoadenine | H | O-amino acid |
| CF ₃ | H | S | 2-N-acetyl-amino-8-fluoroadenine | H | O-amino acid |
| CF ₃ | H | S | 2-N-acetyl-amino-8-fluorohypoxanthine | H | O-amino acid |
| CF ₃ | H | S | 2-N-acetylaminohypoxanthine | H | O-amino acid |
| CF ₃ | O-amino acid | S | Thymine | H | O-amino acid |
| CF ₃ | O-amino acid | S | Uracil | H | O-amino acid |
| CF ₃ | O-amino acid | S | Guanine | H | O-amino acid |
| CF ₃ | O-amino acid | S | Cytosine | H | O-amino acid |
| CF ₃ | O-amino acid | S | Adenine | H | O-amino acid |
| CF ₃ | O-amino acid | S | Hypoxanthine | H | O-amino acid |
| CF ₃ | O-amino acid | S | 5-Fluorouracil | H | O-amino acid |
| CF ₃ | O-amino acid | S | 8-Fluoroguanine | H | O-amino acid |
| CF ₃ | O-amino acid | S | 5-Fluorocytosine | H | O-amino acid |
| CF ₃ | O-amino acid | S | 8-Fluoroadenine | H | O-amino acid |
| CF ₃ | O-amino acid | S | 2-Fluoroadenine | H | O-amino acid |
| CF ₃ | O-amino acid | S | 2,8-Difluoroadenine | H | O-amino acid |
| CF ₃ | O-amino acid | S | 2-Fluorohypoxanthine | H | O-amino acid |
| CF ₃ | O-amino acid | S | 8-Fluorohypoxanthine | H | O-amino acid |
| CF ₃ | O-amino acid | S | 2,8-Difluorohypoxanthine | H | O-amino acid |
| CF ₃ | O-amino acid | S | 2-Aminoadenine | H | O-amino acid |

| R⁶ | R⁷ | X | Base | R⁸ | R⁹ |
|----------------------|----------------------|----------|--------------------------------------|----------------------|----------------------|
| CF ₃ | O-amino acid | S | 2-Amino-8-fluoroadenine | H | O-amino acid |
| CF ₃ | O-amino acid | S | 2-Amino-8-fluorohypoxanthine | H | O-amino acid |
| CF ₃ | O-amino acid | S | 2-Aminohypoxanthine | H | O-amino acid |
| CF ₃ | O-amino acid | S | 2-N-acetylguanine | H | O-amino acid |
| CF ₃ | O-amino acid | S | 4-N-acetylcytosine | H | O-amino acid |
| CF ₃ | O-amino acid | S | 6-N-acetyladenine | H | O-amino acid |
| CF ₃ | O-amino acid | S | 2-N-acetyl-8-fluoroguanine | H | O-amino acid |
| CF ₃ | O-amino acid | S | 4-N-acetyl-5-fluorocytosine | H | O-amino acid |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-fluoroadenine | H | O-amino acid |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2,8-difluoroadenine | H | O-amino acid |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-aminoadenine | H | O-amino acid |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-amino acid |
| CF ₃ | O-amino acid | S | 2-N-acetylaminoadenine | H | O-amino acid |
| CF ₃ | O-amino acid | S | 2-N-acetylamino-8-fluoroadenine | H | O-amino acid |
| CF ₃ | O-amino acid | S | 2-N-acetylamino-8-fluorohypoxanthine | H | O-amino acid |
| CF ₃ | O-amino acid | S | 2-N-acetylaminohypoxanthine | H | O-amino acid |
| CF ₃ | O-acyl | S | Thymine | H | O-amino acid |
| CF ₃ | O-acyl | S | Uracil | H | O-amino acid |
| CF ₃ | O-acyl | S | Guanine | H | O-amino acid |
| CF ₃ | O-acyl | S | Cytosine | H | O-amino acid |
| CF ₃ | O-acyl | S | Adenine | H | O-amino acid |
| CF ₃ | O-acyl | S | Hypoxanthine | H | O-amino acid |
| CF ₃ | O-acyl | S | 5-Fluorouracil | H | O-amino acid |
| CF ₃ | O-acyl | S | 8-Fluoroguanine | H | O-amino acid |
| CF ₃ | O-acyl | S | 5-Fluorocytosine | H | O-amino acid |
| CF ₃ | O-acyl | S | 8-Fluoroadenine | H | O-amino acid |
| CF ₃ | O-acyl | S | 2-Fluoroadenine | H | O-amino acid |
| CF ₃ | O-acyl | S | 2,8-Difluoroadenine | H | O-amino acid |
| CF ₃ | O-acyl | S | 2-Fluorohypoxanthine | H | O-amino acid |
| CF ₃ | O-acyl | S | 8-Fluorohypoxanthine | H | O-amino acid |
| CF ₃ | O-acyl | S | 2,8-Difluorohypoxanthine | H | O-amino acid |
| CF ₃ | O-acyl | S | 2-Aminoadenine | H | O-amino acid |
| CF ₃ | O-acyl | S | 2-Amino-8-fluoroadenine | H | O-amino acid |
| CF ₃ | O-acyl | S | 2-Amino-8-fluorohypoxanthine | H | O-amino acid |
| CF ₃ | O-acyl | S | 2-Aminohypoxanthine | H | O-amino acid |
| CF ₃ | O-acyl | S | 2-N-acetylguanine | H | O-amino acid |
| CF ₃ | O-acyl | S | 4-N-acetylcytosine | H | O-amino acid |
| CF ₃ | O-acyl | S | 6-N-acetyladenine | H | O-amino acid |
| CF ₃ | O-acyl | S | 2-N-acetyl-8-fluoroguanine | H | O-amino acid |
| CF ₃ | O-acyl | S | 4-N-acetyl-5-fluorocytosine | H | O-amino acid |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-fluoroadenine | H | O-amino acid |
| CF ₃ | O-acyl | S | 6-N-acetyl-2,8-difluoroadenine | H | O-amino acid |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-aminoadenine | H | O-amino acid |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-amino acid |
| CF ₃ | O-acyl | S | 2-N-acetylaminoadenine | H | O-amino acid |
| CF ₃ | O-acyl | S | 2-N-acetylamino-8-fluoroadenine | H | O-amino acid |
| CF ₃ | O-acyl | S | 2-N-acetylamino-8-fluorohypoxanthine | H | O-amino acid |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|------------------------------------|----------------|----------------|
| CF ₃ | O-acyl | S | 2-N-acetylaminohypoxanthine | H | O-amino acid |
| CF ₃ | OH | S | Thymine | H | O-amino acid |
| CF ₃ | OH | S | Uracil | H | O-amino acid |
| CF ₃ | OH | S | Guanine | H | O-amino acid |
| CF ₃ | OH | S | Cytosine | H | O-amino acid |
| CF ₃ | OH | S | Adenine | H | O-amino acid |
| CF ₃ | OH | S | Hypoxanthine | H | O-amino acid |
| CF ₃ | OH | S | 5-Fluorouracil | H | O-amino acid |
| CF ₃ | OH | S | 8-Fluoroguanine | H | O-amino acid |
| CF ₃ | OH | S | 5-Fluorocytosine | H | O-amino acid |
| CF ₃ | OH | S | 8-Fluoroadenine | H | O-amino acid |
| CF ₃ | OH | S | 2-Fluoroadenine | H | O-amino acid |
| CF ₃ | OH | S | 2,8-Difluoroadenine | H | O-amino acid |
| CF ₃ | OH | S | 2-Fluorohypoxanthine | H | O-amino acid |
| CF ₃ | OH | S | 8-Fluorohypoxanthine | H | O-amino acid |
| CF ₃ | OH | S | 2,8-Difluorohypoxanthine | H | O-amino acid |
| CF ₃ | OH | S | 2-Aminoadenine | H | O-amino acid |
| CF ₃ | OH | S | 2-Amino-8-fluoroadenine | H | O-amino acid |
| CF ₃ | OH | S | 2-Amino-8-fluorohypoxanthine | H | O-amino acid |
| CF ₃ | OH | S | 2-Aminohypoxanthine | H | O-amino acid |
| CF ₃ | OH | S | 2-N-acetylguanine | H | O-amino acid |
| CF ₃ | OH | S | 4-N-acetylcytosine | H | O-amino acid |
| CF ₃ | OH | S | 6-N-acetyladenine | H | O-amino acid |
| CF ₃ | OH | S | 2-N-acetyl-8-fluoroguanine | H | O-amino acid |
| CF ₃ | OH | S | 4-N-acetyl-5-fluorocytosine | H | O-amino acid |
| CF ₃ | OH | S | 6-N-acetyl-2-fluoroadenine | H | O-amino acid |
| CF ₃ | OH | S | 6-N-acetyl-2,8-difluoroadenine | H | O-amino acid |
| CF ₃ | OH | S | 6-N-acetyl-2-aminoadenine | H | O-amino acid |
| CF ₃ | OH | S | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-amino acid |
| CF ₃ | OH | S | 2-N-acetylaminoadenine | H | O-amino acid |
| CF ₃ | OH | S | 2-N-acetyl-amino-8-fluoroadenine | H | O-amino acid |
| CF ₃ | OH | S | 2-N-acetylaminohypoxanthine | H | O-amino acid |
| CF ₃ | H | S | Thymine | OH | O-amino acid |
| CF ₃ | H | S | Uracil | OH | O-amino acid |
| CF ₃ | H | S | Guanine | OH | O-amino acid |
| CF ₃ | H | S | Cytosine | OH | O-amino acid |
| CF ₃ | H | S | Adenine | OH | O-amino acid |
| CF ₃ | H | S | Hypoxanthine | OH | O-amino acid |
| CF ₃ | H | S | 5-Fluorouracil | OH | O-amino acid |
| CF ₃ | H | S | 8-Fluoroguanine | OH | O-amino acid |
| CF ₃ | H | S | 5-Fluorocytosine | OH | O-amino acid |
| CF ₃ | H | S | 8-Fluoroadenine | OH | O-amino acid |
| CF ₃ | H | S | 2-Fluoroadenine | OH | O-amino acid |
| CF ₃ | H | S | 2,8-Difluoroadenine | OH | O-amino acid |
| CF ₃ | H | S | 2-Fluorohypoxanthine | OH | O-amino acid |
| CF ₃ | H | S | 8-Fluorohypoxanthine | OH | O-amino acid |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CF ₃ | H | S | 2,8-Difluorohypoxanthine | OH | O-amino acid |
| CF ₃ | H | S | 2-Aminoadenine | OH | O-amino acid |
| CF ₃ | H | S | 2-Amino-8-fluoroadenine | OH | O-amino acid |
| CF ₃ | H | S | 2-Amino-8-fluorohypoxanthine | OH | O-amino acid |
| CF ₃ | H | S | 2-Aminohypoxanthine | OH | O-amino acid |
| CF ₃ | H | S | 2-N-acetylguanine | OH | O-amino acid |
| CF ₃ | H | S | 4-N-acetylcytosine | OH | O-amino acid |
| CF ₃ | H | S | 6-N-acetyladenine | OH | O-amino acid |
| CF ₃ | H | S | 2-N-acetyl-8-fluoroguanine | OH | O-amino acid |
| CF ₃ | H | S | 4-N-acetyl-5-fluorocytosine | OH | O-amino acid |
| CF ₃ | H | S | 6-N-acetyl-2-fluoroadenine | OH | O-amino acid |
| CF ₃ | H | S | 6-N-acetyl-2,8-difluoroadenine | OH | O-amino acid |
| CF ₃ | H | S | 6-N-acetyl-2-aminoadenine | OH | O-amino acid |
| CF ₃ | H | S | 6-N-acetyl-2-amino-8-fluoroadenine | OH | O-amino acid |
| CF ₃ | H | S | 2-N-acetylaminoadenine | OH | O-amino acid |
| CF ₃ | H | S | 2-N-acetyl-amino-8-fluoroadenine | OH | O-amino acid |
| CF ₃ | H | S | 2-N-acetyl-amino-8-fluorohypoxanthine | OH | O-amino acid |
| CF ₃ | H | S | 2-N-acetylaminohypoxanthine | OH | OH |
| CF ₃ | O-amino acid | S | Thymine | F | OH |
| CF ₃ | O-amino acid | S | Uracil | F | OH |
| CF ₃ | O-amino acid | S | Guanine | F | OH |
| CF ₃ | O-amino acid | S | Cytosine | F | OH |
| CF ₃ | O-amino acid | S | Adenine | F | OH |
| CF ₃ | O-amino acid | S | Hypoxanthine | F | OH |
| CF ₃ | O-amino acid | S | 5-Fluorouracil | F | OH |
| CF ₃ | O-amino acid | S | 8-Fluoroguanine | F | OH |
| CF ₃ | O-amino acid | S | 5-Fluorocytosine | F | OH |
| CF ₃ | O-amino acid | S | 8-Fluoroadenine | F | OH |
| CF ₃ | O-amino acid | S | 2-Fluoroadenine | F | OH |
| CF ₃ | O-amino acid | S | 2,8-Difluoroadenine | F | OH |
| CF ₃ | O-amino acid | S | 2-Fluorohypoxanthine | F | OH |
| CF ₃ | O-amino acid | S | 8-Fluorohypoxanthine | F | OH |
| CF ₃ | O-amino acid | S | 2,8-Difluorohypoxanthine | F | OH |
| CF ₃ | O-amino acid | S | 2-Aminoadenine | F | OH |
| CF ₃ | O-amino acid | S | 2-Amino-8-fluoroadenine | F | OH |
| CF ₃ | O-amino acid | S | 2-Amino-8-fluorohypoxanthine | F | OH |
| CF ₃ | O-amino acid | S | 2-Aminohypoxanthine | F | OH |
| CF ₃ | O-amino acid | S | 2-N-acetylguanine | F | OH |
| CF ₃ | O-amino acid | S | 4-N-acetylcytosine | F | OH |
| CF ₃ | O-amino acid | S | 6-N-acetyladenine | F | OH |
| CF ₃ | O-amino acid | S | 2-N-acetyl-8-fluoroguanine | F | OH |
| CF ₃ | O-amino acid | S | 4-N-acetyl-5-fluorocytosine | F | OH |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-fluoroadenine | F | OH |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2,8-difluoroadenine | F | OH |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-aminoadenine | F | OH |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-amino-8-fluoroadenine | F | OH |
| CF ₃ | O-amino acid | S | 2-N-acetylaminoadenine | F | OH |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CF ₃ | O-amino acid | S | 2-N-acetylamino-8-fluoroadenine | F | OH |
| CF ₃ | O-amino acid | S | 2-N-acetylamino-8-fluorohypoxanthine | F | OH |
| CF ₃ | O-amino acid | S | 2-N-acetylaminohypoxanthine | F | OH |
| CF ₃ | O-acyl | S | Thymine | F | OH |
| CF ₃ | O-acyl | S | Uracil | F | OH |
| CF ₃ | O-acyl | S | Guanine | F | OH |
| CF ₃ | O-acyl | S | Cytosine | F | OH |
| CF ₃ | O-acyl | S | Adenine | F | OH |
| CF ₃ | O-acyl | S | Hypoxanthine | F | OH |
| CF ₃ | O-acyl | S | 5-Fluorouracil | F | OH |
| CF ₃ | O-acyl | S | 8-Fluoroguanine | F | OH |
| CF ₃ | O-acyl | S | 5-Fluorocytosine | F | OH |
| CF ₃ | O-acyl | S | 8-Fluoroadenine | F | OH |
| CF ₃ | O-acyl | S | 2-Fluoroadenine | F | OH |
| CF ₃ | O-acyl | S | 2,8-Difluoroadenine | F | OH |
| CF ₃ | O-acyl | S | 2-Fluorohypoxanthine | F | OH |
| CF ₃ | O-acyl | S | 8-Fluorohypoxanthine | F | OH |
| CF ₃ | O-acyl | S | 2,8-Difluorohypoxanthine | F | OH |
| CF ₃ | O-acyl | S | 2-Aminoadenine | F | OH |
| CF ₃ | O-acyl | S | 2-Amino-8-fluoroadenine | F | OH |
| CF ₃ | O-acyl | S | 2-Amino-8-fluorohypoxanthine | F | OH |
| CF ₃ | O-acyl | S | 2-Aminohypoxanthine | F | OH |
| CF ₃ | O-acyl | S | 2-N-acetylguanine | F | OH |
| CF ₃ | O-acyl | S | 4-N-acetylcytosine | F | OH |
| CF ₃ | O-acyl | S | 6-N-acetyladenine | F | OH |
| CF ₃ | O-acyl | S | 2-N-acetyl-8-fluoroguanine | F | OH |
| CF ₃ | O-acyl | S | 4-N-acetyl-5-fluorocytosine | F | OH |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-fluoroadenine | F | OH |
| CF ₃ | O-acyl | S | 6-N-acetyl-2,8-difluoroadenine | F | OH |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-aminoadenine | F | OH |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-amino-8-fluoroadenine | F | OH |
| CF ₃ | O-acyl | S | 2-N-acetylaminoadenine | F | OH |
| CF ₃ | O-acyl | S | 2-N-acetylamino-8-fluoroadenine | F | OH |
| CF ₃ | O-acyl | S | 2-N-acetylamino-8-fluorohypoxanthine | F | OH |
| CF ₃ | O-acyl | S | 2-N-acetylaminohypoxanthine | F | OH |
| CF ₃ | O-amino acid | S | Thymine | Br | OH |
| CF ₃ | O-amino acid | S | Uracil | Br | OH |
| CF ₃ | O-amino acid | S | Guanine | Br | OH |
| CF ₃ | O-amino acid | S | Cytosine | Br | OH |
| CF ₃ | O-amino acid | S | Adenine | Br | OH |
| CF ₃ | O-amino acid | S | Hypoxanthine | Br | OH |
| CF ₃ | O-amino acid | S | 5-Fluorouracil | Br | OH |
| CF ₃ | O-amino acid | S | 8-Fluoroguanine | Br | OH |
| CF ₃ | O-amino acid | S | 5-Fluorocytosine | Br | OH |
| CF ₃ | O-amino acid | S | 8-Fluoroadenine | Br | OH |
| CF ₃ | O-amino acid | S | 2-Fluoroadenine | Br | OH |
| CF ₃ | O-amino acid | S | 2,8-Difluoroadenine | Br | OH |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CF ₃ | O-amino acid | S | 2-Fluorohypoxanthine | Br | OH |
| CF ₃ | O-amino acid | S | 8-Fluorohypoxanthine | Br | OH |
| CF ₃ | O-amino acid | S | 2,8-Difluorohypoxanthine | Br | OH |
| CF ₃ | O-amino acid | S | 2-Aminoadenine | Br | OH |
| CF ₃ | O-amino acid | S | 2-Amino-8-fluoroadenine | Br | OH |
| CF ₃ | O-amino acid | S | 2-Amino-8-fluorohypoxanthine | Br | OH |
| CF ₃ | O-amino acid | S | 2-Aminohypoxanthine | Br | OH |
| CF ₃ | O-amino acid | S | 2-N-acetylguanine | Br | OH |
| CF ₃ | O-amino acid | S | 4-N-acetylcytosine | Br | OH |
| CF ₃ | O-amino acid | S | 6-N-acetyladenine | Br | OH |
| CF ₃ | O-amino acid | S | 2-N-acetyl-8-fluoroguanine | Br | OH |
| CF ₃ | O-amino acid | S | 4-N-acetyl-5-fluorocytosine | Br | OH |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-fluoroadenine | Br | OH |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2,8-difluoroadenine | Br | OH |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-aminoadenine | Br | OH |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-amino-8-fluoroadenine | Br | OH |
| CF ₃ | O-amino acid | S | 2-N-acetylaminoadenine | Br | OH |
| CF ₃ | O-amino acid | S | 2-N-acetyl-amino-8-fluoroadenine | Br | OH |
| CF ₃ | O-amino acid | S | 2-N-acetyl-amino-8-fluorohypoxanthine | Br | OH |
| CF ₃ | O-amino acid | S | 2-N-acetylaminohypoxanthine | Br | OH |
| CF ₃ | O-acyl | S | Thymine | Br | OH |
| CF ₃ | O-acyl | S | Uracil | Br | OH |
| CF ₃ | O-acyl | S | Guanine | Br | OH |
| CF ₃ | O-acyl | S | Cytosine | Br | OH |
| CF ₃ | O-acyl | S | Adenine | Br | OH |
| CF ₃ | O-acyl | S | Hypoxanthine | Br | OH |
| CF ₃ | O-acyl | S | 5-Fluorouracil | Br | OH |
| CF ₃ | O-acyl | S | 8-Fluoroguanine | Br | OH |
| CF ₃ | O-acyl | S | 5-Fluorocytosine | Br | OH |
| CF ₃ | O-acyl | S | 8-Fluoroadenine | Br | OH |
| CF ₃ | O-acyl | S | 2-Fluoroadenine | Br | OH |
| CF ₃ | O-acyl | S | 2,8-Difluoroadenine | Br | OH |
| CF ₃ | O-acyl | S | 2-Fluorohypoxanthine | Br | OH |
| CF ₃ | O-acyl | S | 8-Fluorohypoxanthine | Br | OH |
| CF ₃ | O-acyl | S | 2,8-Difluorohypoxanthine | Br | OH |
| CF ₃ | O-acyl | S | 2-Aminoadenine | Br | OH |
| CF ₃ | O-acyl | S | 2-Amino-8-fluoroadenine | Br | OH |
| CF ₃ | O-acyl | S | 2-Amino-8-fluorohypoxanthine | Br | OH |
| CF ₃ | O-acyl | S | 2-Aminohypoxanthine | Br | OH |
| CF ₃ | O-acyl | S | 2-N-acetylguanine | Br | OH |
| CF ₃ | O-acyl | S | 4-N-acetylcytosine | Br | OH |
| CF ₃ | O-acyl | S | 6-N-acetyladenine | Br | OH |
| CF ₃ | O-acyl | S | 2-N-acetyl-8-fluoroguanine | Br | OH |
| CF ₃ | O-acyl | S | 4-N-acetyl-5-fluorocytosine | Br | OH |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-fluoroadenine | Br | OH |
| CF ₃ | O-acyl | S | 6-N-acetyl-2,8-difluoroadenine | Br | OH |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-aminoadenine | Br | OH |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---|----------------|----------------|
| CF ₃ | O-acyl | S | 6-N-acetyl-2-amino-8-fluoroadenine | Br | OH |
| CF ₃ | O-acyl | S | 2-N-acetylaminoadenine | Br | OH |
| CF ₃ | O-acyl | S | 2-N-acetyl-2-amino-8-fluoroadenine | Br | OH |
| CF ₃ | O-acyl | S | 2-N-acetyl-2-amino-8-fluorohypoxanthine | Br | OH |
| CF ₃ | O-acyl | S | 2-N-acetylaminohypoxanthine | Br | OH |
| CF ₃ | O-amino acid | S | Thymine | Cl | OH |
| CF ₃ | O-amino acid | S | Uracil | Cl | OH |
| CF ₃ | O-amino acid | S | Guanine | Cl | OH |
| CF ₃ | O-amino acid | S | Cytosine | Cl | OH |
| CF ₃ | O-amino acid | S | Adenine | Cl | OH |
| CF ₃ | O-amino acid | S | Hypoxanthine | Cl | OH |
| CF ₃ | O-amino acid | S | 5-Fluorouracil | Cl | OH |
| CF ₃ | O-amino acid | S | 8-Fluoroguanine | Cl | OH |
| CF ₃ | O-amino acid | S | 5-Fluorocytosine | Cl | OH |
| CF ₃ | O-amino acid | S | 8-Fluoroadenine | Cl | OH |
| CF ₃ | O-amino acid | S | 2-Fluoroadenine | Cl | OH |
| CF ₃ | O-amino acid | S | 2,8-Difluoroadenine | Cl | OH |
| CF ₃ | O-amino acid | S | 2-Fluorohypoxanthine | Cl | OH |
| CF ₃ | O-amino acid | S | 8-Fluorohypoxanthine | Cl | OH |
| CF ₃ | O-amino acid | S | 2,8-Difluorohypoxanthine | Cl | OH |
| CF ₃ | O-amino acid | S | 2-Aminoadenine | Cl | OH |
| CF ₃ | O-amino acid | S | 2-Amino-8-fluoroadenine | Cl | OH |
| CF ₃ | O-amino acid | S | 2-Amino-8-fluorohypoxanthine | Cl | OH |
| CF ₃ | O-amino acid | S | 2-Aminohypoxanthine | Cl | OH |
| CF ₃ | O-amino acid | S | 2-N-acetylguanine | Cl | OH |
| CF ₃ | O-amino acid | S | 4-N-acetylcytosine | Cl | OH |
| CF ₃ | O-amino acid | S | 6-N-acetyladenine | Cl | OH |
| CF ₃ | O-amino acid | S | 2-N-acetyl-8-fluoroguanine | Cl | OH |
| CF ₃ | O-amino acid | S | 4-N-acetyl-5-fluorocytosine | Cl | OH |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-fluoroadenine | Cl | OH |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2,8-difluoroadenine | Cl | OH |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-aminoadenine | Cl | OH |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | OH |
| CF ₃ | O-amino acid | S | 2-N-acetylaminoadenine | Cl | OH |
| CF ₃ | O-amino acid | S | 2-N-acetyl-2-amino-8-fluoroadenine | Cl | OH |
| CF ₃ | O-amino acid | S | 2-N-acetyl-2-amino-8-fluorohypoxanthine | Cl | OH |
| CF ₃ | O-amino acid | S | 2-N-acetylaminohypoxanthine | Cl | OH |
| CF ₃ | O-acyl | S | Thymine | Cl | OH |
| CF ₃ | O-acyl | S | Uracil | Cl | OH |
| CF ₃ | O-acyl | S | Guanine | Cl | OH |
| CF ₃ | O-acyl | S | Cytosine | Cl | OH |
| CF ₃ | O-acyl | S | Adenine | Cl | OH |
| CF ₃ | O-acyl | S | Hypoxanthine | Cl | OH |
| CF ₃ | O-acyl | S | 5-Fluorouracil | Cl | OH |
| CF ₃ | O-acyl | S | 8-Fluoroguanine | Cl | OH |
| CF ₃ | O-acyl | S | 5-Fluorocytosine | Cl | OH |
| CF ₃ | O-acyl | S | 8-Fluoroadenine | Cl | OH |

| | R ⁷ | X | Base | R ⁸ | R ⁹ |
|---|----------------|---|--------------------------------------|----------------|----------------|
| 3 | O-acyl | S | 2-Fluoroadenine | Cl | OH |
| 3 | O-acyl | S | 2,8-Difluoroadenine | Cl | OH |
| 3 | O-acyl | S | 2-Fluorohypoxanthine | Cl | OH |
| 3 | O-acyl | S | 8-Fluorohypoxanthine | Cl | OH |
| 3 | O-acyl | S | 2,8-Difluorohypoxanthine | Cl | OH |
| 3 | O-acyl | S | 2-Aminoadenine | Cl | OH |
| 3 | O-acyl | S | 2-Amino-8-fluoroadenine | Cl | OH |
| 3 | O-acyl | S | 2-Amino-8-fluorohypoxanthine | Cl | OH |
| 3 | O-acyl | S | 2-Aminohypoxanthine | Cl | OH |
| 3 | O-acyl | S | 2-N-acetylguanine | Cl | OH |
| 3 | O-acyl | S | 4-N-acetylcytosine | Cl | OH |
| 3 | O-acyl | S | 6-N-acetyladenine | Cl | OH |
| 3 | O-acyl | S | 2-N-acetyl-8-fluoroguanine | Cl | OH |
| 3 | O-acyl | S | 4-N-acetyl-5-fluorocytosine | Cl | OH |
| 3 | O-acyl | S | 6-N-acetyl-2-fluoroadenine | Cl | OH |
| 3 | O-acyl | S | 6-N-acetyl-2,8-difluoroadenine | Cl | OH |
| 3 | O-acyl | S | 6-N-acetyl-2-aminoadenine | Cl | OH |
| 3 | O-acyl | S | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | OH |
| 3 | O-acyl | S | 2-N-acetylaminoadenine | Cl | OH |
| 3 | O-acyl | S | 2-N-acetylamino-8-fluoroadenine | Cl | OH |
| 3 | O-acyl | S | 2-N-acetylamino-8-fluorohypoxanthine | Cl | OH |
| 3 | O-acyl | S | 2-N-acetylaminohypoxanthine | Cl | OH |
| 3 | O-amino acid | S | Thymine | H | OH |
| 3 | O-amino acid | S | Uracil | H | OH |
| 3 | O-amino acid | S | Guanine | H | OH |
| 3 | O-amino acid | S | Cytosine | H | OH |
| 3 | O-amino acid | S | Adenine | H | OH |
| 3 | O-amino acid | S | Hypoxanthine | H | OH |
| 3 | O-amino acid | S | 5-Fluorouracil | H | OH |
| 3 | O-amino acid | S | 8-Fluoroguanine | H | OH |
| 3 | O-amino acid | S | 5-Fluorocytosine | H | OH |
| 3 | O-amino acid | S | 8-Fluoroadenine | H | OH |
| 3 | O-amino acid | S | 2-Fluoroadenine | H | OH |
| 3 | O-amino acid | S | 2,8-Difluoroadenine | H | OH |
| 3 | O-amino acid | S | 2-Fluorohypoxanthine | H | OH |
| 3 | O-amino acid | S | 8-Fluorohypoxanthine | H | OH |
| 3 | O-amino acid | S | 2,8-Difluorohypoxanthine | H | OH |
| 3 | O-amino acid | S | 2-Aminoadenine | H | OH |
| 3 | O-amino acid | S | 2-Amino-8-fluoroadenine | H | OH |
| 3 | O-amino acid | S | 2-Amino-8-fluorohypoxanthine | H | OH |
| 3 | O-amino acid | S | 2-Aminohypoxanthine | H | OH |
| 3 | O-amino acid | S | 2-N-acetylguanine | H | OH |
| 3 | O-amino acid | S | 4-N-acetylcytosine | H | OH |
| 3 | O-amino acid | S | 6-N-acetyladenine | H | OH |
| 3 | O-amino acid | S | 2-N-acetyl-8-fluoroguanine | H | OH |
| 3 | O-amino acid | S | 4-N-acetyl-5-fluorocytosine | H | OH |
| 3 | O-amino acid | S | 6-N-acetyl-2-fluoroadenine | H | OH |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CF ₃ | O-amino acid | S | 6-N-acetyl-2,8-difluoroadenine | H | OH |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-aminoadenine | H | OH |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-amino-8-fluoroadenine | H | OH |
| CF ₃ | O-amino acid | S | 2-N-acetylaminoadenine | H | OH |
| CF ₃ | O-amino acid | S | 2-N-acetylamino-8-fluoroadenine | H | OH |
| CF ₃ | O-amino acid | S | 2-N-acetylamino-8-fluorohypoxanthine | H | OH |
| CF ₃ | O-amino acid | S | 2-N-acetylaminohypoxanthine | H | OH |
| CF ₃ | O-acyl | S | Thymine | H | OH |
| CF ₃ | O-acyl | S | Uracil | H | OH |
| CF ₃ | O-acyl | S | Guanine | H | OH |
| CF ₃ | O-acyl | S | Cytosine | H | OH |
| CF ₃ | O-acyl | S | Adenine | H | OH |
| CF ₃ | O-acyl | S | Hypoxanthine | H | OH |
| CF ₃ | O-acyl | S | 5-Fluorouracil | H | OH |
| CF ₃ | O-acyl | S | 8-Fluoroguanine | H | OH |
| CF ₃ | O-acyl | S | 5-Fluorocytosine | H | OH |
| CF ₃ | O-acyl | S | 8-Fluoroadenine | H | OH |
| CF ₃ | O-acyl | S | 2-Fluoroadenine | H | OH |
| CF ₃ | O-acyl | S | 2,8-Difluoroadenine | H | OH |
| CF ₃ | O-acyl | S | 2-Fluorohypoxanthine | H | OH |
| CF ₃ | O-acyl | S | 8-Fluorohypoxanthine | H | OH |
| CF ₃ | O-acyl | S | 2,8-Difluorohypoxanthine | H | OH |
| CF ₃ | O-acyl | S | 2-Aminoadenine | H | OH |
| CF ₃ | O-acyl | S | 2-Amino-8-fluoroadenine | H | OH |
| CF ₃ | O-acyl | S | 2-Amino-8-fluorohypoxanthine | H | OH |
| CF ₃ | O-acyl | S | 2-Aminohypoxanthine | H | OH |
| CF ₃ | O-acyl | S | 2-N-acetylguanine | H | OH |
| CF ₃ | O-acyl | S | 4-N-acetylcytosine | H | OH |
| CF ₃ | O-acyl | S | 6-N-acetyladenine | H | OH |
| CF ₃ | O-acyl | S | 2-N-acetyl-8-fluoroguanine | H | OH |
| CF ₃ | O-acyl | S | 4-N-acetyl-5-fluorocytosine | H | OH |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-fluoroadenine | H | OH |
| CF ₃ | O-acyl | S | 6-N-acetyl-2,8-difluoroadenine | H | OH |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-aminoadenine | H | OH |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-amino-8-fluoroadenine | H | OH |
| CF ₃ | O-acyl | S | 2-N-acetylaminoadenine | H | OH |
| CF ₃ | O-acyl | S | 2-N-acetylamino-8-fluoroadenine | H | OH |
| CF ₃ | O-acyl | S | 2-N-acetylamino-8-fluorohypoxanthine | H | OH |
| CF ₃ | O-acyl | S | 2-N-acetylaminohypoxanthine | H | H |
| CF ₃ | O-amino acid | S | Thymine | O-amino acid | H |
| CF ₃ | O-amino acid | S | Uracil | O-amino acid | H |
| CF ₃ | O-amino acid | S | Guanine | O-amino acid | H |
| CF ₃ | O-amino acid | S | Cytosine | O-amino acid | H |

| R⁶ | R⁷ | X | Base | R⁸ | R⁹ |
|----------------------|----------------------|----------|------------------------------------|----------------------|----------------------|
| CF ₃ | O-amino acid | S | Adenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | Hypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 5-Fluorouracil | O-amino acid | H |
| CF ₃ | O-amino acid | S | 8-Fluoroguanine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 5-Fluorocytosine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 8-Fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-Fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2,8-Difluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-Fluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 8-Fluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2,8-Difluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-Amino adenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-Amino-8-fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-Amino-8-fluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-Aminohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-N-acetylguanine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 4-N-acetylcytosine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 6-N-acetyl adenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-N-acetyl-8-fluoroguanine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 4-N-acetyl-5-fluorocytosine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2,8-difluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-amino adenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-amino-8-fluoroadenine | O-amino acid | H |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CF ₃ | O-amino acid | S | 2-N-acetylaminoadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-N-acetylamino-8-fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-N-acetylamino-8-fluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-N-acetylaminohypoxanthine | O-amino acid | H |
| CF ₃ | O-acyl | S | Thymine | O-acyl | H |
| CF ₃ | O-acyl | S | Uracil | O-acyl | H |
| CF ₃ | O-acyl | S | Guanine | O-acyl | H |
| CF ₃ | O-acyl | S | Cytosine | O-acyl | H |
| CF ₃ | O-acyl | S | Adenine | O-acyl | H |
| CF ₃ | O-acyl | S | Hypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | S | 5-Fluorouracil | O-acyl | H |
| CF ₃ | O-acyl | S | 8-Fluoroguanine | O-acyl | H |
| CF ₃ | O-acyl | S | 5-Fluorocytosine | O-acyl | H |
| CF ₃ | O-acyl | S | 8-Fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-Fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 2,8-Difluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-Fluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | S | 8-Fluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | S | 2,8-Difluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-Aminoadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-Amino-8-fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-Amino-8-fluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-Aminohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-N-acetylguanine | O-acyl | H |
| CF ₃ | O-acyl | S | 4-N-acetylcytosine | O-acyl | H |
| CF ₃ | O-acyl | S | 6-N-acetyladenine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-N-acetyl-8-fluoroguanine | O-acyl | H |
| CF ₃ | O-acyl | S | 4-N-acetyl-5-fluorocytosine | O-acyl | H |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 6-N-acetyl-2,8-difluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-aminoadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-amino-8-fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-N-acetylaminoadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-N-acetylamino-8-fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-N-acetylamino-8-fluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-N-acetylaminohypoxanthine | O-acyl | H |
| CF ₃ | O-amino acid | S | Thymine | O-amino acid | H |
| CF ₃ | O-amino acid | S | Uracil | O-amino acid | H |
| CF ₃ | O-amino acid | S | Guanine | O-amino acid | H |
| CF ₃ | O-amino acid | S | Cytosine | O-amino acid | H |

| R⁶ | R⁷ | X | Base | R⁸ | R⁹ |
|----------------------|----------------------|----------|------------------------------------|----------------------|----------------------|
| CF ₃ | O-amino acid | S | Adenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | Hypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 5-Fluorouracil | O-amino acid | H |
| CF ₃ | O-amino acid | S | 8-Fluoroguanine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 5-Fluorocytosine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 8-Fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-Fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2,8-Difluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-Fluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 8-Fluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2,8-Difluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-Aminoadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-Amino-8-fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-Amino-8-fluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-Aminohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-N-acetylguanine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 4-N-acetylcytosine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 6-N-acetyladenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-N-acetyl-8-fluoroguanine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 4-N-acetyl-5-fluorocytosine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2,8-difluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-aminoadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-amino-8-fluoroadenine | O-amino acid | H |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CF ₃ | O-amino acid | S | 2-N-acetylaminoadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-N-acetylamino-8-fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-N-acetylamino-8-fluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-N-acetylaminohypoxanthine | O-amino acid | H |
| CF ₃ | O-acyl | S | Thymine | O-acyl | H |
| CF ₃ | O-acyl | S | Uracil | O-acyl | H |
| CF ₃ | O-acyl | S | Guanine | O-acyl | H |
| CF ₃ | O-acyl | S | Cytosine | O-acyl | H |
| CF ₃ | O-acyl | S | Adenine | O-acyl | H |
| CF ₃ | O-acyl | S | Hypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | S | 5-Fluorouracil | O-acyl | H |
| CF ₃ | O-acyl | S | 8-Fluoroguanine | O-acyl | H |
| CF ₃ | O-acyl | S | 5-Fluorocytosine | O-acyl | H |
| CF ₃ | O-acyl | S | 8-Fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-Fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 2,8-Difluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-Fluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | S | 8-Fluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | S | 2,8-Difluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-Aminoadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-Amino-8-fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-Amino-8-fluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-Aminohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-N-acetylguanine | O-acyl | H |
| CF ₃ | O-acyl | S | 4-N-acetylcytosine | O-acyl | H |
| CF ₃ | O-acyl | S | 6-N-acetyladenine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-N-acetyl-8-fluoroguanine | O-acyl | H |
| CF ₃ | O-acyl | S | 4-N-acetyl-5-fluorocytosine | O-acyl | H |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 6-N-acetyl-2,8-difluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-aminoadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-amino-8-fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-N-acetylaminoadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-N-acetylamino-8-fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-N-acetylamino-8-fluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-N-acetylaminohypoxanthine | O-acyl | H |
| CF ₃ | O-amino acid | S | Thymine | O-amino acid | H |
| CF ₃ | O-amino acid | S | Uracil | O-amino acid | H |
| CF ₃ | O-amino acid | S | Guanine | O-amino acid | H |
| CF ₃ | O-amino acid | S | Cytosine | O-amino acid | H |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|------------------------------------|----------------|----------------|
| CF ₃ | O-amino acid | S | Adenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | Hypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 5-Fluorouracil | O-amino acid | H |
| CF ₃ | O-amino acid | S | 8-Fluoroguanine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 5-Fluorocytosine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 8-Fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-Fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2,8-Difluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-Fluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 8-Fluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2,8-Difluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-Aminoadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-Amino-8-fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-Amino-8-fluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-Aminohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-N-acetylguanine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 4-N-acetylcytosine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 6-N-acetyladenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-N-acetyl-8-fluoroguanine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 4-N-acetyl-5-fluorocytosine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2,8-difluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-aminoadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-amino-8-fluoroadenine | O-amino acid | H |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CF ₃ | O-amino acid | S | 2-N-acetylaminoadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-N-acetylamino-8-fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-N-acetylamino-8-fluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-N-acetylaminohypoxanthine | O-amino acid | H |
| CF ₃ | O-acyl | S | Thymine | O-acyl | H |
| CF ₃ | O-acyl | S | Uracil | O-acyl | H |
| CF ₃ | O-acyl | S | Guanine | O-acyl | H |
| CF ₃ | O-acyl | S | Cytosine | O-acyl | H |
| CF ₃ | O-acyl | S | Adenine | O-acyl | H |
| CF ₃ | O-acyl | S | Hypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | S | 5-Fluorouracil | O-acyl | H |
| CF ₃ | O-acyl | S | 8-Fluoroguanine | O-acyl | H |
| CF ₃ | O-acyl | S | 5-Fluorocytosine | O-acyl | H |
| CF ₃ | O-acyl | S | 8-Fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-Fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 2,8-Difluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-Fluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | S | 8-Fluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | S | 2,8-Difluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-Aminoadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-Amino-8-fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-Amino-8-fluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-Aminohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-N-acetylguanine | O-acyl | H |
| CF ₃ | O-acyl | S | 4-N-acetylcytosine | O-acyl | H |
| CF ₃ | O-acyl | S | 6-N-acetyladenine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-N-acetyl-8-fluoroguanine | O-acyl | H |
| CF ₃ | O-acyl | S | 4-N-acetyl-5-fluorocytosine | O-acyl | H |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 6-N-acetyl-2,8-difluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-aminoadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-amino-8-fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-N-acetylaminoadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-N-acetylamino-8-fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-N-acetylamino-8-fluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-N-acetylaminohypoxanthine | O-acyl | H |
| CF ₃ | O-amino acid | S | Thymine | O-amino acid | H |
| CF ₃ | O-amino acid | S | Uracil | O-amino acid | H |
| CF ₃ | O-amino acid | S | Guanine | O-amino acid | H |
| CF ₃ | O-amino acid | S | Cytosine | O-amino acid | H |

| R⁶ | R⁷ | X | Base | R⁸ | R⁹ |
|----------------------|----------------------|----------|------------------------------------|----------------------|----------------------|
| CF ₃ | O-amino acid | S | Adenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | Hypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 5-Fluorouracil | O-amino acid | H |
| CF ₃ | O-amino acid | S | 8-Fluoroguanine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 5-Fluorocytosine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 8-Fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-Fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2,8-Difluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-Fluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 8-Fluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2,8-Difluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-Aminoadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-Amino-8-fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-Amino-8-fluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-Aminohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-N-acetylguanine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 4-N-acetylcytosine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 6-N-acetyladenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-N-acetyl-8-fluoroguanine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 4-N-acetyl-5-fluorocytosine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2,8-difluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-aminoadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-amino-8-fluoroadenine | O-amino acid | H |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CF ₃ | O-amino acid | S | 2-N-acetylaminoadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-N-acetylamino-8-fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-N-acetylamino-8-fluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-N-acetylaminohypoxanthine | O-amino acid | H |
| CF ₃ | O-acyl | S | Thymine | O-acyl | H |
| CF ₃ | O-acyl | S | Uracil | O-acyl | H |
| CF ₃ | O-acyl | S | Guanine | O-acyl | H |
| CF ₃ | O-acyl | S | Cytosine | O-acyl | H |
| CF ₃ | O-acyl | S | Adenine | O-acyl | H |
| CF ₃ | O-acyl | S | Hypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | S | 5-Fluorouracil | O-acyl | H |
| CF ₃ | O-acyl | S | 8-Fluoroguanine | O-acyl | H |
| CF ₃ | O-acyl | S | 5-Fluorocytosine | O-acyl | H |
| CF ₃ | O-acyl | S | 8-Fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-Fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 2,8-Difluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-Fluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | S | 8-Fluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | S | 2,8-Difluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-Aminoadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-Amino-8-fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-Amino-8-fluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-Aminohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-N-acetylguanine | O-acyl | H |
| CF ₃ | O-acyl | S | 4-N-acetylcytosine | O-acyl | H |
| CF ₃ | O-acyl | S | 6-N-acetyladenine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-N-acetyl-8-fluoroguanine | O-acyl | H |
| CF ₃ | O-acyl | S | 4-N-acetyl-5-fluorocytosine | O-acyl | H |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 6-N-acetyl-2,8-difluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-aminoadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-amino-8-fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-N-acetylaminoadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-N-acetylamino-8-fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-N-acetylamino-8-fluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-N-acetylaminohypoxanthine | O-acyl | H |
| CF ₃ | O-amino acid | S | Thymine | O-amino acid | H |
| CF ₃ | O-amino acid | S | Uracil | O-amino acid | H |
| CF ₃ | O-amino acid | S | Guanine | O-amino acid | H |
| CF ₃ | O-amino acid | S | Cytosine | O-amino acid | H |

| R⁶ | R⁷ | X | Base | R⁸ | R⁹ |
|----------------------|----------------------|----------|------------------------------------|----------------------|----------------------|
| CF ₃ | O-amino acid | S | Adenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | Hypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 5-Fluorouracil | O-amino acid | H |
| CF ₃ | O-amino acid | S | 8-Fluoroguanine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 5-Fluorocytosine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 8-Fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-Fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2,8-Difluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-Fluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 8-Fluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2,8-Difluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-Aminoadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-Amino-8-fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-Amino-8-fluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-Aminohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-N-acetylguanine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 4-N-acetylcytosine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 6-N-acetyladenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-N-acetyl-8-fluoroguanine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 4-N-acetyl-5-fluorocytosine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2,8-difluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-aminoadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 6-N-acetyl-2-amino-8-fluoroadenine | O-amino acid | H |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CF ₃ | O-amino acid | S | 2-N-acetylaminoadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-N-acetylamino-8-fluoroadenine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-N-acetylamino-8-fluorohypoxanthine | O-amino acid | H |
| CF ₃ | O-amino acid | S | 2-N-acetylaminohypoxanthine | O-amino acid | H |
| CF ₃ | O-acyl | S | Thymine | O-acyl | H |
| CF ₃ | O-acyl | S | Uracil | O-acyl | H |
| CF ₃ | O-acyl | S | Guanine | O-acyl | H |
| CF ₃ | O-acyl | S | Cytosine | O-acyl | H |
| CF ₃ | O-acyl | S | Adenine | O-acyl | H |
| CF ₃ | O-acyl | S | Hypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | S | 5-Fluorouracil | O-acyl | H |
| CF ₃ | O-acyl | S | 8-Fluoroguanine | O-acyl | H |
| CF ₃ | O-acyl | S | 5-Fluorocytosine | O-acyl | H |
| CF ₃ | O-acyl | S | 8-Fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-Fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 2,8-Difluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-Fluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | S | 8-Fluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | S | 2,8-Difluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-Aminoadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-Amino-8-fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-Amino-8-fluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-Aminohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-N-acetylguanine | O-acyl | H |
| CF ₃ | O-acyl | S | 4-N-acetylcytosine | O-acyl | H |
| CF ₃ | O-acyl | S | 6-N-acetyladenine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-N-acetyl-8-fluoroguanine | O-acyl | H |
| CF ₃ | O-acyl | S | 4-N-acetyl-5-fluorocytosine | O-acyl | H |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 6-N-acetyl-2,8-difluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-aminoadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 6-N-acetyl-2-amino-8-fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-N-acetylaminoadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-N-acetylamino-8-fluoroadenine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-N-acetylamino-8-fluorohypoxanthine | O-acyl | H |
| CF ₃ | O-acyl | S | 2-N-acetylaminohypoxanthine | O-acyl | H |
| CH ₃ | H | S | Thymine | F | O-acyl |
| CH ₃ | H | S | Uracil | F | O-acyl |
| CH ₃ | H | S | Guanine | F | O-acyl |
| CH ₃ | H | S | Cytosine | F | O-acyl |
| CH ₃ | H | S | Adenine | F | O-acyl |
| CH ₃ | H | S | Hypoxanthine | F | O-acyl |
| CH ₃ | H | S | 5-Fluorouracil | F | O-acyl |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CH ₃ | H | S | 8-Fluoroguanine | F | O-acyl |
| CH ₃ | H | S | 5-Fluorocytosine | F | O-acyl |
| CH ₃ | H | S | 8-Fluoroadenine | F | O-acyl |
| CH ₃ | H | S | 2-Fluoroadenine | F | O-acyl |
| CH ₃ | H | S | 2,8-Difluoroadenine | F | O-acyl |
| CH ₃ | H | S | 2-Fluorohypoxanthine | F | O-acyl |
| CH ₃ | H | S | 8-Fluorohypoxanthine | F | O-acyl |
| CH ₃ | H | S | 2,8-Difluorohypoxanthine | F | O-acyl |
| CH ₃ | H | S | 2-Aminoadenine | F | O-acyl |
| CH ₃ | H | S | 2-Amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | H | S | 2-Amino-8-fluorohypoxanthine | F | O-acyl |
| CH ₃ | H | S | 2-Aminohypoxanthine | F | O-acyl |
| CH ₃ | H | S | 2-N-acetylguanine | F | O-acyl |
| CH ₃ | H | S | 4-N-acetylcytosine | F | O-acyl |
| CH ₃ | H | S | 6-N-acetyladenine | F | O-acyl |
| CH ₃ | H | S | 2-N-acetyl-8-fluoroguanine | F | O-acyl |
| CH ₃ | H | S | 4-N-acetyl-5-fluorocytosine | F | O-acyl |
| CH ₃ | H | S | 6-N-acetyl-2-fluoroadenine | F | O-acyl |
| CH ₃ | H | S | 6-N-acetyl-2,8-difluoroadenine | F | O-acyl |
| CH ₃ | H | S | 6-N-acetyl-2-aminoadenine | F | O-acyl |
| CH ₃ | H | S | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | H | S | 2-N-acetylaminoadenine | F | O-acyl |
| CH ₃ | H | S | 2-N-acetyl-amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | H | S | 2-N-acetyl-amino-8-fluorohypoxanthine | F | O-acyl |
| CH ₃ | H | S | 2-N-acetylaminohypoxanthine | F | O-acyl |
| CH ₃ | O-amino acid | S | Thymine | F | O-acyl |
| CH ₃ | O-amino acid | S | Uracil | F | O-acyl |
| CH ₃ | O-amino acid | S | Guanine | F | O-acyl |
| CH ₃ | O-amino acid | S | Cytosine | F | O-acyl |
| CH ₃ | O-amino acid | S | Adenine | F | O-acyl |
| CH ₃ | O-amino acid | S | Hypoxanthine | F | O-acyl |
| CH ₃ | O-amino acid | S | 5-Fluorouracil | F | O-acyl |
| CH ₃ | O-amino acid | S | 8-Fluoroguanine | F | O-acyl |
| CH ₃ | O-amino acid | S | 5-Fluorocytosine | F | O-acyl |
| CH ₃ | O-amino acid | S | 8-Fluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | S | 2-Fluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | S | 2,8-Difluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | S | 2-Fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-amino acid | S | 8-Fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-amino acid | S | 2,8-Difluorohypoxanthine | F | O-acyl |
| CH ₃ | O-amino acid | S | 2-Aminoadenine | F | O-acyl |
| CH ₃ | O-amino acid | S | 2-Amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | S | 2-Amino-8-fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-amino acid | S | 2-Aminohypoxanthine | F | O-acyl |
| CH ₃ | O-amino acid | S | 2-N-acetylguanine | F | O-acyl |
| CH ₃ | O-amino acid | S | 4-N-acetylcytosine | F | O-acyl |
| CH ₃ | O-amino acid | S | 6-N-acetyladenine | F | O-acyl |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CH ₃ | O-amino acid | S | 2-N-acetyl-8-fluoroguanine | F | O-acyl |
| CH ₃ | O-amino acid | S | 4-N-acetyl-5-fluorocytosine | F | O-acyl |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-fluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2,8-difluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-aminoadenine | F | O-acyl |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | S | 2-N-acetylaminoadenine | F | O-acyl |
| CH ₃ | O-amino acid | S | 2-N-acetyl-amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | S | 2-N-acetyl-amino-8-fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-amino acid | S | 2-N-acetylaminohypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | S | Thymine | F | O-acyl |
| CH ₃ | O-acyl | S | Uracil | F | O-acyl |
| CH ₃ | O-acyl | S | Guanine | F | O-acyl |
| CH ₃ | O-acyl | S | Cytosine | F | O-acyl |
| CH ₃ | O-acyl | S | Adenine | F | O-acyl |
| CH ₃ | O-acyl | S | Hypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | S | 5-Fluorouracil | F | O-acyl |
| CH ₃ | O-acyl | S | 8-Fluoroguanine | F | O-acyl |
| CH ₃ | O-acyl | S | 5-Fluorocytosine | F | O-acyl |
| CH ₃ | O-acyl | S | 8-Fluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | S | 2-Fluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | S | 2,8-Difluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | S | 2-Fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | S | 8-Fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | S | 2,8-Difluorohypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | S | 2-Aminoadenine | F | O-acyl |
| CH ₃ | O-acyl | S | 2-Amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | S | 2-Amino-8-fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | S | 2-Aminohypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | S | 2-N-acetylguanine | F | O-acyl |
| CH ₃ | O-acyl | S | 4-N-acetylcytosine | F | O-acyl |
| CH ₃ | O-acyl | S | 6-N-acetyl原因 | F | O-acyl |
| CH ₃ | O-acyl | S | 2-N-acetyl-8-fluoroguanine | F | O-acyl |
| CH ₃ | O-acyl | S | 4-N-acetyl-5-fluorocytosine | F | O-acyl |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-fluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | S | 6-N-acetyl-2,8-difluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-aminoadenine | F | O-acyl |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | S | 2-N-acetylaminoadenine | F | O-acyl |
| CH ₃ | O-acyl | S | 2-N-acetyl-amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | S | 2-N-acetyl-amino-8-fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | S | 2-N-acetylaminohypoxanthine | F | O-acyl |
| CH ₃ | OH | S | Thymine | F | O-acyl |
| CH ₃ | OH | S | Uracil | F | O-acyl |
| CH ₃ | OH | S | Guanine | F | O-acyl |
| CH ₃ | OH | S | Cytosine | F | O-acyl |
| CH ₃ | OH | S | Adenine | F | O-acyl |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|------------------------------------|----------------|----------------|
| CH ₃ | OH | S | Hypoxanthine | F | O-acyl |
| CH ₃ | OH | S | 5-Fluorouracil | F | O-acyl |
| CH ₃ | OH | S | 8-Fluoroguanine | F | O-acyl |
| CH ₃ | OH | S | 5-Fluorocytosine | F | O-acyl |
| CH ₃ | OH | S | 8-Fluoroadenine | F | O-acyl |
| CH ₃ | OH | S | 2-Fluoroadenine | F | O-acyl |
| CH ₃ | OH | S | 2,8-Difluoroadenine | F | O-acyl |
| CH ₃ | OH | S | 2-Fluorohypoxanthine | F | O-acyl |
| CH ₃ | OH | S | 8-Fluorohypoxanthine | F | O-acyl |
| CH ₃ | OH | S | 2,8-Difluorohypoxanthine | F | O-acyl |
| CH ₃ | OH | S | 2-Aminoadenine | F | O-acyl |
| CH ₃ | OH | S | 2-Amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | OH | S | 2-Amino-8-fluorohypoxanthine | F | O-acyl |
| CH ₃ | OH | S | 2-Aminohypoxanthine | F | O-acyl |
| CH ₃ | OH | S | 2-N-acetylguanine | F | O-acyl |
| CH ₃ | OH | S | 4-N-acetylcytosine | F | O-acyl |
| CH ₃ | OH | S | 6-N-acetyladenine | F | O-acyl |
| CH ₃ | OH | S | 2-N-acetyl-8-fluoroguanine | F | O-acyl |
| CH ₃ | OH | S | 4-N-acetyl-5-fluorocytosine | F | O-acyl |
| CH ₃ | OH | S | 6-N-acetyl-2-fluoroadenine | F | O-acyl |
| CH ₃ | OH | S | 6-N-acetyl-2,8-difluoroadenine | F | O-acyl |
| CH ₃ | OH | S | 6-N-acetyl-2-aminoadenine | F | O-acyl |
| CH ₃ | OH | S | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | OH | S | 2-N-acetylaminoadenine | F | O-acyl |
| CH ₃ | OH | S | 2-N-acetyl-amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | OH | S | 2-N-acetylaminohypoxanthine | F | O-acyl |
| CH ₃ | OH | S | 2-N-acetylaminohypoxanthine | F | O-acyl |
| CH ₃ | H | S | Thymine | Br | O-acyl |
| CH ₃ | H | S | Uracil | Br | O-acyl |
| CH ₃ | H | S | Guanine | Br | O-acyl |
| CH ₃ | H | S | Cytosine | Br | O-acyl |
| CH ₃ | H | S | Adenine | Br | O-acyl |
| CH ₃ | H | S | Hypoxanthine | Br | O-acyl |
| CH ₃ | H | S | 5-Fluorouracil | Br | O-acyl |
| CH ₃ | H | S | 8-Fluoroguanine | Br | O-acyl |
| CH ₃ | H | S | 5-Fluorocytosine | Br | O-acyl |
| CH ₃ | H | S | 8-Fluoroadenine | Br | O-acyl |
| CH ₃ | H | S | 2-Fluoroadenine | Br | O-acyl |
| CH ₃ | H | S | 2,8-Difluoroadenine | Br | O-acyl |
| CH ₃ | H | S | 2-Fluorohypoxanthine | Br | O-acyl |
| CH ₃ | H | S | 8-Fluorohypoxanthine | Br | O-acyl |
| CH ₃ | H | S | 2,8-Difluorohypoxanthine | Br | O-acyl |
| CH ₃ | H | S | 2-Aminoadenine | Br | O-acyl |
| CH ₃ | H | S | 2-Amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | H | S | 2-Amino-8-fluorohypoxanthine | Br | O-acyl |
| CH ₃ | H | S | 2-Aminohypoxanthine | Br | O-acyl |
| CH ₃ | H | S | 2-N-acetylguanine | Br | O-acyl |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CH ₃ | H | S | 4-N-acetylcytosine | Br | O-acyl |
| CH ₃ | H | S | 6-N-acetyladenine | Br | O-acyl |
| CH ₃ | H | S | 2-N-acetyl-8-fluoroguanine | Br | O-acyl |
| CH ₃ | H | S | 4-N-acetyl-5-fluorocytosine | Br | O-acyl |
| CH ₃ | H | S | 6-N-acetyl-2-fluoroadenine | Br | O-acyl |
| CH ₃ | H | S | 6-N-acetyl-2,8-difluoroadenine | Br | O-acyl |
| CH ₃ | H | S | 6-N-acetyl-2-aminoadenine | Br | O-acyl |
| CH ₃ | H | S | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | H | S | 2-N-acetylaminoadenine | Br | O-acyl |
| CH ₃ | H | S | 2-N-acetyl-amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | H | S | 2-N-acetyl-amino-8-fluorohypoxanthine | Br | O-acyl |
| CH ₃ | H | S | 2-N-acetylaminohypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | S | Thymine | Br | O-acyl |
| CH ₃ | O-amino acid | S | Uracil | Br | O-acyl |
| CH ₃ | O-amino acid | S | Guanine | Br | O-acyl |
| CH ₃ | O-amino acid | S | Cytosine | Br | O-acyl |
| CH ₃ | O-amino acid | S | Adenine | Br | O-acyl |
| CH ₃ | O-amino acid | S | Hypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | S | 5-Fluorouracil | Br | O-acyl |
| CH ₃ | O-amino acid | S | 8-Fluoroguanine | Br | O-acyl |
| CH ₃ | O-amino acid | S | 5-Fluorocytosine | Br | O-acyl |
| CH ₃ | O-amino acid | S | 8-Fluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | S | 2-Fluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | S | 2,8-Difluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | S | 2-Fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | S | 8-Fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | S | 2,8-Difluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | S | 2-Aminoadenine | Br | O-acyl |
| CH ₃ | O-amino acid | S | 2-Amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | S | 2-Amino-8-fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | S | 2-Aminohypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | S | 2-N-acetylguanine | Br | O-acyl |
| CH ₃ | O-amino acid | S | 4-N-acetylcytosine | Br | O-acyl |
| CH ₃ | O-amino acid | S | 6-N-acetyladenine | Br | O-acyl |
| CH ₃ | O-amino acid | S | 2-N-acetyl-8-fluoroguanine | Br | O-acyl |
| CH ₃ | O-amino acid | S | 4-N-acetyl-5-fluorocytosine | Br | O-acyl |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-fluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2,8-difluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-aminoadenine | Br | O-acyl |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | S | 2-N-acetylaminoadenine | Br | O-acyl |
| CH ₃ | O-amino acid | S | 2-N-acetyl-amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | S | 2-N-acetyl-amino-8-fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | S | 2-N-acetylaminohypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | S | Thymine | Br | O-acyl |
| CH ₃ | O-acyl | S | Uracil | Br | O-acyl |
| CH ₃ | O-acyl | S | Guanine | Br | O-acyl |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CH ₃ | O-acyl | S | Cytosine | Br | O-acyl |
| CH ₃ | O-acyl | S | Adenine | Br | O-acyl |
| CH ₃ | O-acyl | S | Hypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | S | 5-Fluorouracil | Br | O-acyl |
| CH ₃ | O-acyl | S | 8-Fluoroguanine | Br | O-acyl |
| CH ₃ | O-acyl | S | 5-Fluorocytosine | Br | O-acyl |
| CH ₃ | O-acyl | S | 8-Fluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | S | 2-Fluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | S | 2,8-Difluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | S | 2-Fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | S | 8-Fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | S | 2,8-Difluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | S | 2-Aminoadenine | Br | O-acyl |
| CH ₃ | O-acyl | S | 2-Amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | S | 2-Amino-8-fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | S | 2-Aminohypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | S | 2-N-acetylguanine | Br | O-acyl |
| CH ₃ | O-acyl | S | 4-N-acetylcytosine | Br | O-acyl |
| CH ₃ | O-acyl | S | 6-N-acetyladenine | Br | O-acyl |
| CH ₃ | O-acyl | S | 2-N-acetyl-8-fluoroguanine | Br | O-acyl |
| CH ₃ | O-acyl | S | 4-N-acetyl-5-fluorocytosine | Br | O-acyl |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-fluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | S | 6-N-acetyl-2,8-difluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-aminoadenine | Br | O-acyl |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | S | 2-N-acetylaminoadenine | Br | O-acyl |
| CH ₃ | O-acyl | S | 2-N-acetylamino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | S | 2-N-acetylamino-8-fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | S | 2-N-acetylaminohypoxanthine | Br | O-acyl |
| CH ₃ | OH | S | Thymine | Br | O-acyl |
| CH ₃ | OH | S | Uracil | Br | O-acyl |
| CH ₃ | OH | S | Guanine | Br | O-acyl |
| CH ₃ | OH | S | Cytosine | Br | O-acyl |
| CH ₃ | OH | S | Adenine | Br | O-acyl |
| CH ₃ | OH | S | Hypoxanthine | Br | O-acyl |
| CH ₃ | OH | S | 5-Fluorouracil | Br | O-acyl |
| CH ₃ | OH | S | 8-Fluoroguanine | Br | O-acyl |
| CH ₃ | OH | S | 5-Fluorocytosine | Br | O-acyl |
| CH ₃ | OH | S | 8-Fluoroadenine | Br | O-acyl |
| CH ₃ | OH | S | 2-Fluoroadenine | Br | O-acyl |
| CH ₃ | OH | S | 2,8-Difluoroadenine | Br | O-acyl |
| CH ₃ | OH | S | 2-Fluorohypoxanthine | Br | O-acyl |
| CH ₃ | OH | S | 8-Fluorohypoxanthine | Br | O-acyl |
| CH ₃ | OH | S | 2,8-Difluorohypoxanthine | Br | O-acyl |
| CH ₃ | OH | S | 2-Aminoadenine | Br | O-acyl |
| CH ₃ | OH | S | 2-Amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | OH | S | 2-Amino-8-fluorohypoxanthine | Br | O-acyl |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CH ₃ | OH | S | 2-Aminohypoxanthine | Br | O-acyl |
| CH ₃ | OH | S | 2-N-acetylguanine | Br | O-acyl |
| CH ₃ | OH | S | 4-N-acetylcytosine | Br | O-acyl |
| CH ₃ | OH | S | 6-N-acetyladenine | Br | O-acyl |
| CH ₃ | OH | S | 2-N-acetyl-8-fluoroguanine | Br | O-acyl |
| CH ₃ | OH | S | 4-N-acetyl-5-fluorocytosine | Br | O-acyl |
| CH ₃ | OH | S | 6-N-acetyl-2-fluoroadenine | Br | O-acyl |
| CH ₃ | OH | S | 6-N-acetyl-2,8-difluoroadenine | Br | O-acyl |
| CH ₃ | OH | S | 6-N-acetyl-2-aminoadenine | Br | O-acyl |
| CH ₃ | OH | S | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | OH | S | 2-N-acetylaminoadenine | Br | O-acyl |
| CH ₃ | OH | S | 2-N-acetyl-amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | OH | S | 2-N-acetyl-amino-8-fluorohypoxanthine | Br | O-acyl |
| CH ₃ | OH | S | 2-N-acetylaminohypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | S | Thymine | Cl | O-acyl |
| CH ₃ | O-acyl | S | Uracil | Cl | O-acyl |
| CH ₃ | O-acyl | S | Guanine | Cl | O-acyl |
| CH ₃ | O-acyl | S | Cytosine | Cl | O-acyl |
| CH ₃ | O-acyl | S | Adenine | Cl | O-acyl |
| CH ₃ | O-acyl | S | Hypoxanthine | Cl | O-acyl |
| CH ₃ | O-acyl | S | 5-Fluorouracil | Cl | O-acyl |
| CH ₃ | O-acyl | S | 8-Fluoroguanine | Cl | O-acyl |
| CH ₃ | O-acyl | S | 5-Fluorocytosine | Cl | O-acyl |
| CH ₃ | O-acyl | S | 8-Fluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | S | 2-Fluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | S | 2,8-Difluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | S | 2-Fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-acyl | S | 8-Fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-acyl | S | 2,8-Difluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-acyl | S | 2-Aminoadenine | Cl | O-acyl |
| CH ₃ | O-acyl | S | 2-Amino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | S | 2-Amino-8-fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-acyl | S | 2-Aminohypoxanthine | Cl | O-acyl |
| CH ₃ | O-acyl | S | 2-N-acetylguanine | Cl | O-acyl |
| CH ₃ | O-acyl | S | 4-N-acetylcytosine | Cl | O-acyl |
| CH ₃ | O-acyl | S | 6-N-acetyladenine | Cl | O-acyl |
| CH ₃ | O-acyl | S | 2-N-acetyl-8-fluoroguanine | Cl | O-acyl |
| CH ₃ | O-acyl | S | 4-N-acetyl-5-fluorocytosine | Cl | O-acyl |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | S | 6-N-acetyl-2,8-difluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-aminoadenine | Cl | O-acyl |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | S | 2-N-acetylaminoadenine | Cl | O-acyl |
| CH ₃ | O-acyl | S | 2-N-acetyl-amino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | S | 2-N-acetyl-amino-8-fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-acyl | S | 2-N-acetylaminohypoxanthine | Cl | O-acyl |
| CH ₃ | OH | S | Thymine | Cl | O-acyl |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CH ₃ | OH | S | Uracil | Cl | O-acyl |
| CH ₃ | OH | S | Guanine | Cl | O-acyl |
| CH ₃ | OH | S | Cytosine | Cl | O-acyl |
| CH ₃ | OH | S | Adenine | Cl | O-acyl |
| CH ₃ | OH | S | Hypoxanthine | Cl | O-acyl |
| CH ₃ | OH | S | 5-Fluorouracil | Cl | O-acyl |
| CH ₃ | OH | S | 8-Fluoroguanine | Cl | O-acyl |
| CH ₃ | OH | S | 5-Fluorocytosine | Cl | O-acyl |
| CH ₃ | OH | S | 8-Fluoroadenine | Cl | O-acyl |
| CH ₃ | OH | S | 2-Fluoroadenine | Cl | O-acyl |
| CH ₃ | OH | S | 2,8-Difluoroadenine | Cl | O-acyl |
| CH ₃ | OH | S | 2-Fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | OH | S | 8-Fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | OH | S | 2,8-Difluorohypoxanthine | Cl | O-acyl |
| CH ₃ | OH | S | 2-Aminoadenine | Cl | O-acyl |
| CH ₃ | OH | S | 2-Amino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | OH | S | 2-Amino-8-fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | OH | S | 2-Aminohypoxanthine | Cl | O-acyl |
| CH ₃ | OH | S | 2-N-acetylguanine | Cl | O-acyl |
| CH ₃ | OH | S | 4-N-acetylcytosine | Cl | O-acyl |
| CH ₃ | OH | S | 6-N-acetyladenine | Cl | O-acyl |
| CH ₃ | OH | S | 2-N-acetyl-8-fluoroguanine | Cl | O-acyl |
| CH ₃ | OH | S | 4-N-acetyl-5-fluorocytosine | Cl | O-acyl |
| CH ₃ | OH | S | 6-N-acetyl-2-fluoroadenine | Cl | O-acyl |
| CH ₃ | OH | S | 6-N-acetyl-2,8-difluoroadenine | Cl | O-acyl |
| CH ₃ | OH | S | 6-N-acetyl-2-aminoadenine | Cl | O-acyl |
| CH ₃ | OH | S | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | OH | S | 2-N-acetylaminoadenine | Cl | O-acyl |
| CH ₃ | OH | S | 2-N-acetylamino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | OH | S | 2-N-acetylamino-8-fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | OH | S | 2-N-acetylaminohypoxanthine | Cl | O-acyl |
| CH ₃ | H | S | Thymine | Cl | O-acyl |
| CH ₃ | H | S | Uracil | Cl | O-acyl |
| CH ₃ | H | S | Guanine | Cl | O-acyl |
| CH ₃ | H | S | Cytosine | Cl | O-acyl |
| CH ₃ | H | S | Adenine | Cl | O-acyl |
| CH ₃ | H | S | Hypoxanthine | Cl | O-acyl |
| CH ₃ | H | S | 5-Fluorouracil | Cl | O-acyl |
| CH ₃ | H | S | 8-Fluoroguanine | Cl | O-acyl |
| CH ₃ | H | S | 5-Fluorocytosine | Cl | O-acyl |
| CH ₃ | H | S | 8-Fluoroadenine | Cl | O-acyl |
| CH ₃ | H | S | 2-Fluoroadenine | Cl | O-acyl |
| CH ₃ | H | S | 2,8-Difluoroadenine | Cl | O-acyl |
| CH ₃ | H | S | 2-Fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | H | S | 8-Fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | H | S | 2,8-Difluorohypoxanthine | Cl | O-acyl |
| CH ₃ | H | S | 2-Aminoadenine | Cl | O-acyl |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CH ₃ | H | S | 2-Amino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | H | S | 2-Amino-8-fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | H | S | 2-Aminohypoxanthine | Cl | O-acyl |
| CH ₃ | H | S | 2-N-acetylguanine | Cl | O-acyl |
| CH ₃ | H | S | 4-N-acetylcytosine | Cl | O-acyl |
| CH ₃ | H | S | 6-N-acetyladenine | Cl | O-acyl |
| CH ₃ | H | S | 2-N-acetyl-8-fluoroguanine | Cl | O-acyl |
| CH ₃ | H | S | 4-N-acetyl-5-fluorocytosine | Cl | O-acyl |
| CH ₃ | H | S | 6-N-acetyl-2-fluoroadenine | Cl | O-acyl |
| CH ₃ | H | S | 6-N-acetyl-2,8-difluoroadenine | Cl | O-acyl |
| CH ₃ | H | S | 6-N-acetyl-2-aminoadenine | Cl | O-acyl |
| CH ₃ | H | S | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | H | S | 2-N-acetylaminoadenine | Cl | O-acyl |
| CH ₃ | H | S | 2-N-acetylamino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | H | S | 2-N-acetylamino-8-fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | H | S | 2-N-acetylaminohypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | S | Thymine | Cl | O-acyl |
| CH ₃ | O-amino acid | S | Uracil | Cl | O-acyl |
| CH ₃ | O-amino acid | S | Guanine | Cl | O-acyl |
| CH ₃ | O-amino acid | S | Cytosine | Cl | O-acyl |
| CH ₃ | O-amino acid | S | Adenine | Cl | O-acyl |
| CH ₃ | O-amino acid | S | Hypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | S | 5-Fluorouracil | Cl | O-acyl |
| CH ₃ | O-amino acid | S | 8-Fluoroguanine | Cl | O-acyl |
| CH ₃ | O-amino acid | S | 5-Fluorocytosine | Cl | O-acyl |
| CH ₃ | O-amino acid | S | 8-Fluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | S | 2-Fluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | S | 2,8-Difluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | S | 2-Fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | S | 8-Fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | S | 2,8-Difluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | S | 2-Aminoadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | S | 2-Amino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | S | 2-Amino-8-fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | S | 2-Aminohypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | S | 2-N-acetylguanine | Cl | O-acyl |
| CH ₃ | O-amino acid | S | 4-N-acetylcytosine | Cl | O-acyl |
| CH ₃ | O-amino acid | S | 6-N-acetyladenine | Cl | O-acyl |
| CH ₃ | O-amino acid | S | 2-N-acetyl-8-fluoroguanine | Cl | O-acyl |
| CH ₃ | O-amino acid | S | 4-N-acetyl-5-fluorocytosine | Cl | O-acyl |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2,8-difluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-aminoadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | S | 2-N-acetylaminoadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | S | 2-N-acetylamino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | S | 2-N-acetylamino-8-fluorohypoxanthine | Cl | O-acyl |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CH ₃ | O-amino acid | S | 2-N-acetylaminohypoxanthine | Cl | O-acyl |
| CH ₃ | H | S | Thymine | H | O-acyl |
| CH ₃ | H | S | Uracil | H | O-acyl |
| CH ₃ | H | S | Guanine | H | O-acyl |
| CH ₃ | H | S | Cytosine | H | O-acyl |
| CH ₃ | H | S | Adenine | H | O-acyl |
| CH ₃ | H | S | Hypoxanthine | H | O-acyl |
| CH ₃ | H | S | 5-Fluorouracil | H | O-acyl |
| CH ₃ | H | S | 8-Fluoroguanine | H | O-acyl |
| CH ₃ | H | S | 5-Fluorocytosine | H | O-acyl |
| CH ₃ | H | S | 8-Fluoroadenine | H | O-acyl |
| CH ₃ | H | S | 2-Fluoroadenine | H | O-acyl |
| CH ₃ | H | S | 2,8-Difluoroadenine | H | O-acyl |
| CH ₃ | H | S | 2-Fluorohypoxanthine | H | O-acyl |
| CH ₃ | H | S | 8-Fluorohypoxanthine | H | O-acyl |
| CH ₃ | H | S | 2,8-Difluorohypoxanthine | H | O-acyl |
| CH ₃ | H | S | 2-Aminoadenine | H | O-acyl |
| CH ₃ | H | S | 2-Amino-8-fluoroadenine | H | O-acyl |
| CH ₃ | H | S | 2-Amino-8-fluorohypoxanthine | H | O-acyl |
| CH ₃ | H | S | 2-Aminohypoxanthine | H | O-acyl |
| CH ₃ | H | S | 2-N-acetylguanine | H | O-acyl |
| CH ₃ | H | S | 4-N-acetylcytosine | H | O-acyl |
| CH ₃ | H | S | 6-N-acetylguanine | H | O-acyl |
| CH ₃ | H | S | 2-N-acetyl-8-fluoroguanine | H | O-acyl |
| CH ₃ | H | S | 4-N-acetyl-5-fluorocytosine | H | O-acyl |
| CH ₃ | H | S | 6-N-acetyl-2-fluoroadenine | H | O-acyl |
| CH ₃ | H | S | 6-N-acetyl-2,8-difluoroadenine | H | O-acyl |
| CH ₃ | H | S | 6-N-acetyl-2-aminoadenine | H | O-acyl |
| CH ₃ | H | S | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-acyl |
| CH ₃ | H | S | 2-N-acetylaminoadenine | H | O-acyl |
| CH ₃ | H | S | 2-N-acetyl-amino-8-fluoroadenine | H | O-acyl |
| CH ₃ | H | S | 2-N-acetyl-amino-8-fluorohypoxanthine | H | O-acyl |
| CH ₃ | H | S | 2-N-acetylaminohypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | S | Thymine | H | O-acyl |
| CH ₃ | O-amino acid | S | Uracil | H | O-acyl |
| CH ₃ | O-amino acid | S | Guanine | H | O-acyl |
| CH ₃ | O-amino acid | S | Cytosine | H | O-acyl |
| CH ₃ | O-amino acid | S | Adenine | H | O-acyl |
| CH ₃ | O-amino acid | S | Hypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | S | 5-Fluorouracil | H | O-acyl |
| CH ₃ | O-amino acid | S | 8-Fluoroguanine | H | O-acyl |
| CH ₃ | O-amino acid | S | 5-Fluorocytosine | H | O-acyl |
| CH ₃ | O-amino acid | S | 8-Fluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | S | 2-Fluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | S | 2,8-Difluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | S | 2-Fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | S | 8-Fluorohypoxanthine | H | O-acyl |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CH ₃ | O-amino acid | S | 2,8-Difluorohypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | S | 2-Aminoadenine | H | O-acyl |
| CH ₃ | O-amino acid | S | 2-Amino-8-fluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | S | 2-Amino-8-fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | S | 2-Aminohypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | S | 2-N-acetylguanine | H | O-acyl |
| CH ₃ | O-amino acid | S | 4-N-acetylcytosine | H | O-acyl |
| CH ₃ | O-amino acid | S | 6-N-acetyladenine | H | O-acyl |
| CH ₃ | O-amino acid | S | 2-N-acetyl-8-fluoroguanine | H | O-acyl |
| CH ₃ | O-amino acid | S | 4-N-acetyl-5-fluorocytosine | H | O-acyl |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-fluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2,8-difluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-aminoadenine | H | O-acyl |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | S | 2-N-acetylaminoadenine | H | O-acyl |
| CH ₃ | O-amino acid | S | 2-N-acetylamino-8-fluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | S | 2-N-acetylamino-8-fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | S | 2-N-acetylaminohypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | S | Thymine | H | O-acyl |
| CH ₃ | O-acyl | S | Uracil | H | O-acyl |
| CH ₃ | O-acyl | S | Guanine | H | O-acyl |
| CH ₃ | O-acyl | S | Cytosine | H | O-acyl |
| CH ₃ | O-acyl | S | Adenine | H | O-acyl |
| CH ₃ | O-acyl | S | Hypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | S | 5-Fluorouracil | H | O-acyl |
| CH ₃ | O-acyl | S | 8-Fluoroguanine | H | O-acyl |
| CH ₃ | O-acyl | S | 5-Fluorocytosine | H | O-acyl |
| CH ₃ | O-acyl | S | 8-Fluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | S | 2-Fluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | S | 2,8-Difluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | S | 2-Fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | S | 8-Fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | S | 2,8-Difluorohypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | S | 2-Aminoadenine | H | O-acyl |
| CH ₃ | O-acyl | S | 2-Amino-8-fluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | S | 2-Amino-8-fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | S | 2-Aminohypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | S | 2-N-acetylguanine | H | O-acyl |
| CH ₃ | O-acyl | S | 4-N-acetylcytosine | H | O-acyl |
| CH ₃ | O-acyl | S | 6-N-acetyladenine | H | O-acyl |
| CH ₃ | O-acyl | S | 2-N-acetyl-8-fluoroguanine | H | O-acyl |
| CH ₃ | O-acyl | S | 4-N-acetyl-5-fluorocytosine | H | O-acyl |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-fluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | S | 6-N-acetyl-2,8-difluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-aminoadenine | H | O-acyl |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | S | 2-N-acetylaminoadenine | H | O-acyl |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CH ₃ | O-acyl | S | 2-N-acetylamino-8-fluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | S | 2-N-acetylamino-8-fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | S | 2-N-acetylaminohypoxanthine | H | O-acyl |
| CH ₃ | OH | S | Thymine | H | O-acyl |
| CH ₃ | OH | S | Uracil | H | O-acyl |
| CH ₃ | OH | S | Guanine | H | O-acyl |
| CH ₃ | OH | S | Cytosine | H | O-acyl |
| CH ₃ | OH | S | Adenine | H | O-acyl |
| CH ₃ | OH | S | Hypoxanthine | H | O-acyl |
| CH ₃ | OH | S | 5-Fluorouracil | H | O-acyl |
| CH ₃ | OH | S | 8-Fluoroguanine | H | O-acyl |
| CH ₃ | OH | S | 5-Fluorocytosine | H | O-acyl |
| CH ₃ | OH | S | 8-Fluoroadenine | H | O-acyl |
| CH ₃ | OH | S | 2-Fluoroadenine | H | O-acyl |
| CH ₃ | OH | S | 2,8-Difluoroadenine | H | O-acyl |
| CH ₃ | OH | S | 2-Fluorohypoxanthine | H | O-acyl |
| CH ₃ | OH | S | 8-Fluorohypoxanthine | H | O-acyl |
| CH ₃ | OH | S | 2,8-Difluorohypoxanthine | H | O-acyl |
| CH ₃ | OH | S | 2-Aminoadenine | H | O-acyl |
| CH ₃ | OH | S | 2-Amino-8-fluoroadenine | H | O-acyl |
| CH ₃ | OH | S | 2-Amino-8-fluorohypoxanthine | H | O-acyl |
| CH ₃ | OH | S | 2-Aminohypoxanthine | H | O-acyl |
| CH ₃ | OH | S | 2-N-acetylguanine | H | O-acyl |
| CH ₃ | OH | S | 4-N-acetylcytosine | H | O-acyl |
| CH ₃ | OH | S | 6-N-acetyl原因 | H | O-acyl |
| CH ₃ | OH | S | 2-N-acetyl-8-fluoroguanine | H | O-acyl |
| CH ₃ | OH | S | 4-N-acetyl-5-fluorocytosine | H | O-acyl |
| CH ₃ | OH | S | 6-N-acetyl-2-fluoroadenine | H | O-acyl |
| CH ₃ | OH | S | 6-N-acetyl-2,8-difluoroadenine | H | O-acyl |
| CH ₃ | OH | S | 6-N-acetyl-2-aminoadenine | H | O-acyl |
| CH ₃ | OH | S | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-acyl |
| CH ₃ | OH | S | 2-N-acetylaminoadenine | H | O-acyl |
| CH ₃ | OH | S | 2-N-acetylamino-8-fluoroadenine | H | O-acyl |
| CH ₃ | OH | S | 2-N-acetylamino-8-fluorohypoxanthine | H | O-acyl |
| CH ₃ | OH | S | 2-N-acetylaminohypoxanthine | H | O-acyl |
| CH ₃ | H | S | Thymine | OH | O-acyl |
| CH ₃ | H | S | Uracil | OH | O-acyl |
| CH ₃ | H | S | Guanine | OH | O-acyl |
| CH ₃ | H | S | Cytosine | OH | O-acyl |
| CH ₃ | H | S | Adenine | OH | O-acyl |
| CH ₃ | H | S | Hypoxanthine | OH | O-acyl |
| CH ₃ | H | S | 5-Fluorouracil | OH | O-acyl |
| CH ₃ | H | S | 8-Fluoroguanine | OH | O-acyl |
| CH ₃ | H | S | 5-Fluorocytosine | OH | O-acyl |
| CH ₃ | H | S | 8-Fluoroadenine | OH | O-acyl |
| CH ₃ | H | S | 2-Fluoroadenine | OH | O-acyl |
| CH ₃ | H | S | 2,8-Difluoroadenine | OH | O-acyl |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CH ₃ | H | S | 2-Fluorohypoxanthine | OH | O-acyl |
| CH ₃ | H | S | 8-Fluorohypoxanthine | OH | O-acyl |
| CH ₃ | H | S | 2,8-Difluorohypoxanthine | OH | O-acyl |
| CH ₃ | H | S | 2-Aminoadenine | OH | O-acyl |
| CH ₃ | H | S | 2-Amino-8-fluoroadenine | OH | O-acyl |
| CH ₃ | H | S | 2-Amino-8-fluorohypoxanthine | OH | O-acyl |
| CH ₃ | H | S | 2-Aminohypoxanthine | OH | O-acyl |
| CH ₃ | H | S | 2-N-acetylguanine | OH | O-acyl |
| CH ₃ | H | S | 4-N-acetylcytosine | OH | O-acyl |
| CH ₃ | H | S | 6-N-acetyladenine | OH | O-acyl |
| CH ₃ | H | S | 2-N-acetyl-8-fluoroguanine | OH | O-acyl |
| CH ₃ | H | S | 4-N-acetyl-5-fluorocytosine | OH | O-acyl |
| CH ₃ | H | S | 6-N-acetyl-2-fluoroadenine | OH | O-acyl |
| CH ₃ | H | S | 6-N-acetyl-2,8-difluoroadenine | OH | O-acyl |
| CH ₃ | H | S | 6-N-acetyl-2-aminoadenine | OH | O-acyl |
| CH ₃ | H | S | 6-N-acetyl-2-amino-8-fluoroadenine | OH | O-acyl |
| CH ₃ | H | S | 2-N-acetylaminoadenine | OH | O-acyl |
| CH ₃ | H | S | 2-N-acetylamino-8-fluoroadenine | OH | O-acyl |
| CH ₃ | H | S | 2-N-acetylamino-8-fluorohypoxanthine | OH | O-acyl |
| CH ₃ | H | S | 2-N-acetylaminohypoxanthine | OH | O-acyl |
| CH ₃ | H | S | Thymine | F | O-amino acid |
| CH ₃ | H | S | Uracil | F | O-amino acid |
| CH ₃ | H | S | Guanine | F | O-amino acid |
| CH ₃ | H | S | Cytosine | F | O-amino acid |
| CH ₃ | H | S | Adenine | F | O-amino acid |
| CH ₃ | H | S | Hypoxanthine | F | O-amino acid |
| CH ₃ | H | S | 5-Fluorouracil | F | O-amino acid |
| CH ₃ | H | S | 8-Fluoroguanine | F | O-amino acid |
| CH ₃ | H | S | 5-Fluorocytosine | F | O-amino acid |
| CH ₃ | H | S | 8-Fluoroadenine | F | O-amino acid |
| CH ₃ | H | S | 2-Fluoroadenine | F | O-amino acid |
| CH ₃ | H | S | 2,8-Difluoroadenine | F | O-amino acid |
| CH ₃ | H | S | 2-Fluorohypoxanthine | F | O-amino acid |
| CH ₃ | H | S | 8-Fluorohypoxanthine | F | O-amino acid |
| CH ₃ | H | S | 2,8-Difluorohypoxanthine | F | O-amino acid |
| CH ₃ | H | S | 2-Aminoadenine | F | O-amino acid |
| CH ₃ | H | S | 2-Amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | H | S | 2-Amino-8-fluorohypoxanthine | F | O-amino acid |
| CH ₃ | H | S | 2-Aminohypoxanthine | F | O-amino acid |
| CH ₃ | H | S | 2-N-acetylguanine | F | O-amino acid |
| CH ₃ | H | S | 4-N-acetylcytosine | F | O-amino acid |
| CH ₃ | H | S | 6-N-acetyladenine | F | O-amino acid |
| CH ₃ | H | S | 2-N-acetyl-8-fluoroguanine | F | O-amino acid |
| CH ₃ | H | S | 4-N-acetyl-5-fluorocytosine | F | O-amino acid |
| CH ₃ | H | S | 6-N-acetyl-2-fluoroadenine | F | O-amino acid |
| CH ₃ | H | S | 6-N-acetyl-2,8-difluoroadenine | F | O-amino acid |
| CH ₃ | H | S | 6-N-acetyl-2-aminoadenine | F | O-amino acid |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---|----------------|----------------|
| CH ₃ | H | S | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | H | S | 2-N-acetylaminoadenine | F | O-amino acid |
| CH ₃ | H | S | 2-N-acetyl-2-amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | H | S | 2-N-acetyl-2-amino-8-fluorohypoxanthine | F | O-amino acid |
| CH ₃ | H | S | 2-N-acetylaminohypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | S | Thymine | F | O-amino acid |
| CH ₃ | O-amino acid | S | Uracil | F | O-amino acid |
| CH ₃ | O-amino acid | S | Guanine | F | O-amino acid |
| CH ₃ | O-amino acid | S | Cytosine | F | O-amino acid |
| CH ₃ | O-amino acid | S | Adenine | F | O-amino acid |
| CH ₃ | O-amino acid | S | Hypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | S | 5-Fluorouracil | F | O-amino acid |
| CH ₃ | O-amino acid | S | 8-Fluoroguanine | F | O-amino acid |
| CH ₃ | O-amino acid | S | 5-Fluorocytosine | F | O-amino acid |
| CH ₃ | O-amino acid | S | 8-Fluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | S | 2-Fluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | S | 2,8-Difluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | S | 2-Fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | S | 8-Fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | S | 2,8-Difluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | S | 2-Aminoadenine | F | O-amino acid |
| CH ₃ | O-amino acid | S | 2-Amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | S | 2-Amino-8-fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | S | 2-Aminohypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | S | 2-N-acetylguanine | F | O-amino acid |
| CH ₃ | O-amino acid | S | 4-N-acetylcytosine | F | O-amino acid |
| CH ₃ | O-amino acid | S | 6-N-acetyl-adenine | F | O-amino acid |
| CH ₃ | O-amino acid | S | 2-N-acetyl-8-fluoroguanine | F | O-amino acid |
| CH ₃ | O-amino acid | S | 4-N-acetyl-5-fluorocytosine | F | O-amino acid |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-fluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2,8-difluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-aminoadenine | F | O-amino acid |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | S | 2-N-acetylaminoadenine | F | O-amino acid |
| CH ₃ | O-amino acid | S | 2-N-acetyl-2-amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | S | 2-N-acetyl-2-amino-8-fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | S | 2-N-acetylaminohypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | S | Thymine | F | O-amino acid |
| CH ₃ | O-acyl | S | Uracil | F | O-amino acid |
| CH ₃ | O-acyl | S | Guanine | F | O-amino acid |
| CH ₃ | O-acyl | S | Cytosine | F | O-amino acid |
| CH ₃ | O-acyl | S | Adenine | F | O-amino acid |
| CH ₃ | O-acyl | S | Hypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | S | 5-Fluorouracil | F | O-amino acid |
| CH ₃ | O-acyl | S | 8-Fluoroguanine | F | O-amino acid |
| CH ₃ | O-acyl | S | 5-Fluorocytosine | F | O-amino acid |
| CH ₃ | O-acyl | S | 8-Fluoroadenine | F | O-amino acid |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CH ₃ | O-acyl | S | 2-Fluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | S | 2,8-Difluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | S | 2-Fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | S | 8-Fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | S | 2,8-Difluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | S | 2-Aminoadenine | F | O-amino acid |
| CH ₃ | O-acyl | S | 2-Amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | S | 2-Amino-8-fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | S | 2-Aminohypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | S | 2-N-acetylguanine | F | O-amino acid |
| CH ₃ | O-acyl | S | 4-N-acetylcytosine | F | O-amino acid |
| CH ₃ | O-acyl | S | 6-N-acetyladenine | F | O-amino acid |
| CH ₃ | O-acyl | S | 2-N-acetyl-8-fluoroguanine | F | O-amino acid |
| CH ₃ | O-acyl | S | 4-N-acetyl-5-fluorocytosine | F | O-amino acid |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-fluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | S | 6-N-acetyl-2,8-difluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-aminoadenine | F | O-amino acid |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | S | 2-N-acetylaminoadenine | F | O-amino acid |
| CH ₃ | O-acyl | S | 2-N-acetylamino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | S | 2-N-acetylamino-8-fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | S | 2-N-acetylaminohypoxanthine | F | O-amino acid |
| CH ₃ | OH | S | Thymine | F | O-amino acid |
| CH ₃ | OH | S | Uracil | F | O-amino acid |
| CH ₃ | OH | S | Guanine | F | O-amino acid |
| CH ₃ | OH | S | Cytosine | F | O-amino acid |
| CH ₃ | OH | S | Adenine | F | O-amino acid |
| CH ₃ | OH | S | Hypoxanthine | F | O-amino acid |
| CH ₃ | OH | S | 5-Fluorouracil | F | O-amino acid |
| CH ₃ | OH | S | 8-Fluoroguanine | F | O-amino acid |
| CH ₃ | OH | S | 5-Fluorocytosine | F | O-amino acid |
| CH ₃ | OH | S | 8-Fluoroadenine | F | O-amino acid |
| CH ₃ | OH | S | 2-Fluoroadenine | F | O-amino acid |
| CH ₃ | OH | S | 2,8-Difluoroadenine | F | O-amino acid |
| CH ₃ | OH | S | 2-Fluorohypoxanthine | F | O-amino acid |
| CH ₃ | OH | S | 8-Fluorohypoxanthine | F | O-amino acid |
| CH ₃ | OH | S | 2,8-Difluorohypoxanthine | F | O-amino acid |
| CH ₃ | OH | S | 2-Aminoadenine | F | O-amino acid |
| CH ₃ | OH | S | 2-Amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | OH | S | 2-Amino-8-fluorohypoxanthine | F | O-amino acid |
| CH ₃ | OH | S | 2-Aminohypoxanthine | F | O-amino acid |
| CH ₃ | OH | S | 2-N-acetylguanine | F | O-amino acid |
| CH ₃ | OH | S | 4-N-acetylcytosine | F | O-amino acid |
| CH ₃ | OH | S | 6-N-acetyladenine | F | O-amino acid |
| CH ₃ | OH | S | 2-N-acetyl-8-fluoroguanine | F | O-amino acid |
| CH ₃ | OH | S | 4-N-acetyl-5-fluorocytosine | F | O-amino acid |
| CH ₃ | OH | S | 6-N-acetyl-2-fluoroadenine | F | O-amino acid |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CH ₃ | OH | S | 6-N-acetyl-2,8-difluoroadenine | F | O-amino acid |
| CH ₃ | OH | S | 6-N-acetyl-2-aminoadenine | F | O-amino acid |
| CH ₃ | OH | S | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | OH | S | 2-N-acetylaminoadenine | F | O-amino acid |
| CH ₃ | OH | S | 2-N-acetylamino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | OH | S | 2-N-acetylamino-8-fluorohypoxanthine | F | O-amino acid |
| CH ₃ | OH | S | 2-N-acetylaminohypoxanthine | F | O-amino acid |
| CH ₃ | H | S | Thymine | Br | O-amino acid |
| CH ₃ | H | S | Uracil | Br | O-amino acid |
| CH ₃ | H | S | Guanine | Br | O-amino acid |
| CH ₃ | H | S | Cytosine | Br | O-amino acid |
| CH ₃ | H | S | Adenine | Br | O-amino acid |
| CH ₃ | H | S | Hypoxanthine | Br | O-amino acid |
| CH ₃ | H | S | 5-Fluorouracil | Br | O-amino acid |
| CH ₃ | H | S | 8-Fluoroguanine | Br | O-amino acid |
| CH ₃ | H | S | 5-Fluorocytosine | Br | O-amino acid |
| CH ₃ | H | S | 8-Fluoroadenine | Br | O-amino acid |
| CH ₃ | H | S | 2-Fluoroadenine | Br | O-amino acid |
| CH ₃ | H | S | 2,8-Difluoroadenine | Br | O-amino acid |
| CH ₃ | H | S | 2-Fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | H | S | 8-Fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | H | S | 2,8-Difluorohypoxanthine | Br | O-amino acid |
| CH ₃ | H | S | 2-Aminoadenine | Br | O-amino acid |
| CH ₃ | H | S | 2-Amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | H | S | 2-Amino-8-fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | H | S | 2-Aminohypoxanthine | Br | O-amino acid |
| CH ₃ | H | S | 2-N-acetylguanine | Br | O-amino acid |
| CH ₃ | H | S | 4-N-acetylcytosine | Br | O-amino acid |
| CH ₃ | H | S | 6-N-acetyladenine | Br | O-amino acid |
| CH ₃ | H | S | 2-N-acetyl-8-fluoroguanine | Br | O-amino acid |
| CH ₃ | H | S | 4-N-acetyl-5-fluorocytosine | Br | O-amino acid |
| CH ₃ | H | S | 6-N-acetyl-2-fluoroadenine | Br | O-amino acid |
| CH ₃ | H | S | 6-N-acetyl-2,8-difluoroadenine | Br | O-amino acid |
| CH ₃ | H | S | 6-N-acetyl-2-aminoadenine | Br | O-amino acid |
| CH ₃ | H | S | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | H | S | 2-N-acetylaminoadenine | Br | O-amino acid |
| CH ₃ | H | S | 2-N-acetylamino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | H | S | 2-N-acetylamino-8-fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | H | S | 2-N-acetylaminohypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | S | Thymine | Br | O-amino acid |
| CH ₃ | O-amino acid | S | Uracil | Br | O-amino acid |
| CH ₃ | O-amino acid | S | Guanine | Br | O-amino acid |
| CH ₃ | O-amino acid | S | Cytosine | Br | O-amino acid |
| CH ₃ | O-amino acid | S | Adenine | Br | O-amino acid |
| CH ₃ | O-amino acid | S | Hypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | S | 5-Fluorouracil | Br | O-amino acid |
| CH ₃ | O-amino acid | S | 8-Fluoroguanine | Br | O-amino acid |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CH ₃ | O-amino acid | S | 5-Fluorocytosine | Br | O-amino acid |
| CH ₃ | O-amino acid | S | 8-Fluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | S | 2-Fluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | S | 2,8-Difluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | S | 2-Fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | S | 8-Fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | S | 2,8-Difluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | S | 2-Aminoadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | S | 2-Amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | S | 2-Amino-8-fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | S | 2-Aminohypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | S | 2-N-acetylguanine | Br | O-amino acid |
| CH ₃ | O-amino acid | S | 4-N-acetylcytosine | Br | O-amino acid |
| CH ₃ | O-amino acid | S | 6-N-acetyladenine | Br | O-amino acid |
| CH ₃ | O-amino acid | S | 2-N-acetyl-8-fluoroguanine | Br | O-amino acid |
| CH ₃ | O-amino acid | S | 4-N-acetyl-5-fluorocytosine | Br | O-amino acid |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2,8-difluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-aminoadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | S | 2-N-acetylaminoadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | S | 2-N-acetyl-amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | S | 2-N-acetyl-amino-8-fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | S | 2-N-acetylaminohypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | S | Thymine | Br | O-amino acid |
| CH ₃ | O-acyl | S | Uracil | Br | O-amino acid |
| CH ₃ | O-acyl | S | Guanine | Br | O-amino acid |
| CH ₃ | O-acyl | S | Cytosine | Br | O-amino acid |
| CH ₃ | O-acyl | S | Adenine | Br | O-amino acid |
| CH ₃ | O-acyl | S | Hypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | S | 5-Fluorouracil | Br | O-amino acid |
| CH ₃ | O-acyl | S | 8-Fluoroguanine | Br | O-amino acid |
| CH ₃ | O-acyl | S | 5-Fluorocytosine | Br | O-amino acid |
| CH ₃ | O-acyl | S | 8-Fluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | S | 2-Fluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | S | 2,8-Difluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | S | 2-Fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | S | 8-Fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | S | 2,8-Difluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | S | 2-Aminoadenine | Br | O-amino acid |
| CH ₃ | O-acyl | S | 2-Amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | S | 2-Amino-8-fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | S | 2-Aminohypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | S | 2-N-acetylguanine | Br | O-amino acid |
| CH ₃ | O-acyl | S | 4-N-acetylcytosine | Br | O-amino acid |
| CH ₃ | O-acyl | S | 6-N-acetyladenine | Br | O-amino acid |
| CH ₃ | O-acyl | S | 2-N-acetyl-8-fluoroguanine | Br | O-amino acid |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CH ₃ | O-acyl | S | 4-N-acetyl-5-fluorocytosine | Br | O-amino acid |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | S | 6-N-acetyl-2,8-difluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-aminoadenine | Br | O-amino acid |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | S | 2-N-acetylaminoadenine | Br | O-amino acid |
| CH ₃ | O-acyl | S | 2-N-acetylamino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | S | 2-N-acetylamino-8-fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | S | 2-N-acetylaminohypoxanthine | Br | O-amino acid |
| CH ₃ | OH | S | Thymine | Br | O-amino acid |
| CH ₃ | OH | S | Uracil | Br | O-amino acid |
| CH ₃ | OH | S | Guanine | Br | O-amino acid |
| CH ₃ | OH | S | Cytosine | Br | O-amino acid |
| CH ₃ | OH | S | Adenine | Br | O-amino acid |
| CH ₃ | OH | S | Hypoxanthine | Br | O-amino acid |
| CH ₃ | OH | S | 5-Fluorouracil | Br | O-amino acid |
| CH ₃ | OH | S | 8-Fluoroguanine | Br | O-amino acid |
| CH ₃ | OH | S | 5-Fluorocytosine | Br | O-amino acid |
| CH ₃ | OH | S | 8-Fluoroadenine | Br | O-amino acid |
| CH ₃ | OH | S | 2-Fluoroadenine | Br | O-amino acid |
| CH ₃ | OH | S | 2,8-Difluoroadenine | Br | O-amino acid |
| CH ₃ | OH | S | 2-Fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | OH | S | 8-Fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | OH | S | 2,8-Difluorohypoxanthine | Br | O-amino acid |
| CH ₃ | OH | S | 2-Aminoadenine | Br | O-amino acid |
| CH ₃ | OH | S | 2-Amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | OH | S | 2-Amino-8-fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | OH | S | 2-Aminohypoxanthine | Br | O-amino acid |
| CH ₃ | OH | S | 2-N-acetylguanine | Br | O-amino acid |
| CH ₃ | OH | S | 4-N-acetylcytosine | Br | O-amino acid |
| CH ₃ | OH | S | 6-N-acetyladenine | Br | O-amino acid |
| CH ₃ | OH | S | 2-N-acetyl-8-fluoroguanine | Br | O-amino acid |
| CH ₃ | OH | S | 4-N-acetyl-5-fluorocytosine | Br | O-amino acid |
| CH ₃ | OH | S | 6-N-acetyl-2-fluoroadenine | Br | O-amino acid |
| CH ₃ | OH | S | 6-N-acetyl-2,8-difluoroadenine | Br | O-amino acid |
| CH ₃ | OH | S | 6-N-acetyl-2-aminoadenine | Br | O-amino acid |
| CH ₃ | OH | S | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | OH | S | 2-N-acetylaminoadenine | Br | O-amino acid |
| CH ₃ | OH | S | 2-N-acetylamino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | OH | S | 2-N-acetylamino-8-fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | OH | S | 2-N-acetylaminohypoxanthine | Br | O-amino acid |
| CH ₃ | H | S | Thymine | Cl | O-amino acid |
| CH ₃ | H | S | Uracil | Cl | O-amino acid |
| CH ₃ | H | S | Guanine | Cl | O-amino acid |
| CH ₃ | H | S | Cytosine | Cl | O-amino acid |
| CH ₃ | H | S | Adenine | Cl | O-amino acid |
| CH ₃ | H | S | Hypoxanthine | Cl | O-amino acid |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CH ₃ | H | S | 5-Fluorouracil | Cl | O-amino acid |
| CH ₃ | H | S | 8-Fluoroguanine | Cl | O-amino acid |
| CH ₃ | H | S | 5-Fluorocytosine | Cl | O-amino acid |
| CH ₃ | H | S | 8-Fluoroadenine | Cl | O-amino acid |
| CH ₃ | H | S | 2-Fluoroadenine | Cl | O-amino acid |
| CH ₃ | H | S | 2,8-Difluoroadenine | Cl | O-amino acid |
| CH ₃ | H | S | 2-Fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | H | S | 8-Fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | H | S | 2,8-Difluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | H | S | 2-Aminoadenine | Cl | O-amino acid |
| CH ₃ | H | S | 2-Amino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | H | S | 2-Amino-8-fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | H | S | 2-Aminohypoxanthine | Cl | O-amino acid |
| CH ₃ | H | S | 2-N-acetylguanine | Cl | O-amino acid |
| CH ₃ | H | S | 4-N-acetylcytosine | Cl | O-amino acid |
| CH ₃ | H | S | 6-N-acetyladenine | Cl | O-amino acid |
| CH ₃ | H | S | 2-N-acetyl-8-fluoroguanine | Cl | O-amino acid |
| CH ₃ | H | S | 4-N-acetyl-5-fluorocytosine | Cl | O-amino acid |
| CH ₃ | H | S | 6-N-acetyl-2-fluoroadenine | Cl | O-amino acid |
| CH ₃ | H | S | 6-N-acetyl-2,8-difluoroadenine | Cl | O-amino acid |
| CH ₃ | H | S | 6-N-acetyl-2-aminoadenine | Cl | O-amino acid |
| CH ₃ | H | S | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | H | S | 2-N-acetylaminoadenine | Cl | O-amino acid |
| CH ₃ | H | S | 2-N-acetylamino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | H | S | 2-N-acetylamino-8-fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | H | S | 2-N-acetylaminohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | S | Thymine | Cl | O-amino acid |
| CH ₃ | O-amino acid | S | Uracil | Cl | O-amino acid |
| CH ₃ | O-amino acid | S | Guanine | Cl | O-amino acid |
| CH ₃ | O-amino acid | S | Cytosine | Cl | O-amino acid |
| CH ₃ | O-amino acid | S | Adenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | S | Hypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | S | 5-Fluorouracil | Cl | O-amino acid |
| CH ₃ | O-amino acid | S | 8-Fluoroguanine | Cl | O-amino acid |
| CH ₃ | O-amino acid | S | 5-Fluorocytosine | Cl | O-amino acid |
| CH ₃ | O-amino acid | S | 8-Fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | S | 2-Fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | S | 2,8-Difluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | S | 2-Fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | S | 8-Fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | S | 2,8-Difluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | S | 2-Aminoadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | S | 2-Amino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | S | 2-Amino-8-fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | S | 2-Aminohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | S | 2-N-acetylguanine | Cl | O-amino acid |
| CH ₃ | O-amino acid | S | 4-N-acetylcytosine | Cl | O-amino acid |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CH ₃ | O-amino acid | S | 6-N-acetyladenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | S | 2-N-acetyl-8-fluoroguanine | Cl | O-amino acid |
| CH ₃ | O-amino acid | S | 4-N-acetyl-5-fluorocytosine | Cl | O-amino acid |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2,8-difluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-aminoadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | S | 2-N-acetylaminoadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | S | 2-N-acetylamino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | S | 2-N-acetylamino-8-fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | S | 2-N-acetylaminohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | S | Thymine | Cl | O-amino acid |
| CH ₃ | O-acyl | S | Uracil | Cl | O-amino acid |
| CH ₃ | O-acyl | S | Guanine | Cl | O-amino acid |
| CH ₃ | O-acyl | S | Cytosine | Cl | O-amino acid |
| CH ₃ | O-acyl | S | Adenine | Cl | O-amino acid |
| CH ₃ | O-acyl | S | Hypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | S | 5-Fluorouracil | Cl | O-amino acid |
| CH ₃ | O-acyl | S | 8-Fluoroguanine | Cl | O-amino acid |
| CH ₃ | O-acyl | S | 5-Fluorocytosine | Cl | O-amino acid |
| CH ₃ | O-acyl | S | 8-Fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | S | 2-Fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | S | 2,8-Difluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | S | 2-Fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | S | 8-Fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | S | 2,8-Difluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | S | 2-Aminoadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | S | 2-Amino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | S | 2-Amino-8-fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | S | 2-Aminohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | S | 2-N-acetylguanine | Cl | O-amino acid |
| CH ₃ | O-acyl | S | 4-N-acetylcytosine | Cl | O-amino acid |
| CH ₃ | O-acyl | S | 6-N-acetyladenine | Cl | O-amino acid |
| CH ₃ | O-acyl | S | 2-N-acetyl-8-fluoroguanine | Cl | O-amino acid |
| CH ₃ | O-acyl | S | 4-N-acetyl-5-fluorocytosine | Cl | O-amino acid |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | S | 6-N-acetyl-2,8-difluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-aminoadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | S | 2-N-acetylaminoadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | S | 2-N-acetylamino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | S | 2-N-acetylamino-8-fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | S | 2-N-acetylaminohypoxanthine | Cl | O-amino acid |
| CH ₃ | OH | S | Thymine | Cl | O-amino acid |
| CH ₃ | OH | S | Uracil | Cl | O-amino acid |
| CH ₃ | OH | S | Guanine | Cl | O-amino acid |
| CH ₃ | OH | S | Cytosine | Cl | O-amino acid |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CH ₃ | OH | S | Adenine | Cl | O-amino acid |
| CH ₃ | OH | S | Hypoxanthine | Cl | O-amino acid |
| CH ₃ | OH | S | 5-Fluorouracil | Cl | O-amino acid |
| CH ₃ | OH | S | 8-Fluoroguanine | Cl | O-amino acid |
| CH ₃ | OH | S | 5-Fluorocytosine | Cl | O-amino acid |
| CH ₃ | OH | S | 8-Fluoroadenine | Cl | O-amino acid |
| CH ₃ | OH | S | 2-Fluoroadenine | Cl | O-amino acid |
| CH ₃ | OH | S | 2,8-Difluoroadenine | Cl | O-amino acid |
| CH ₃ | OH | S | 2-Fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | OH | S | 8-Fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | OH | S | 2,8-Difluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | OH | S | 2-Aminoadenine | Cl | O-amino acid |
| CH ₃ | OH | S | 2-Amino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | OH | S | 2-Amino-8-fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | OH | S | 2-Aminohypoxanthine | Cl | O-amino acid |
| CH ₃ | OH | S | 2-N-acetylguanine | Cl | O-amino acid |
| CH ₃ | OH | S | 4-N-acetylcytosine | Cl | O-amino acid |
| CH ₃ | OH | S | 6-N-acetyladenine | Cl | O-amino acid |
| CH ₃ | OH | S | 2-N-acetyl-8-fluoroguanine | Cl | O-amino acid |
| CH ₃ | OH | S | 4-N-acetyl-5-fluorocytosine | Cl | O-amino acid |
| CH ₃ | OH | S | 6-N-acetyl-2-fluoroadenine | Cl | O-amino acid |
| CH ₃ | OH | S | 6-N-acetyl-2,8-difluoroadenine | Cl | O-amino acid |
| CH ₃ | OH | S | 6-N-acetyl-2-aminoadenine | Cl | O-amino acid |
| CH ₃ | OH | S | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | OH | S | 2-N-acetylaminoadenine | Cl | O-amino acid |
| CH ₃ | OH | S | 2-N-acetylamino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | OH | S | 2-N-acetylamino-8-fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | OH | S | 2-N-acetylaminohypoxanthine | Cl | O-amino acid |
| CH ₃ | H | S | Thymine | H | O-amino acid |
| CH ₃ | H | S | Uracil | H | O-amino acid |
| CH ₃ | H | S | Guanine | H | O-amino acid |
| CH ₃ | H | S | Cytosine | H | O-amino acid |
| CH ₃ | H | S | Adenine | H | O-amino acid |
| CH ₃ | H | S | Hypoxanthine | H | O-amino acid |
| CH ₃ | H | S | 5-Fluorouracil | H | O-amino acid |
| CH ₃ | H | S | 8-Fluoroguanine | H | O-amino acid |
| CH ₃ | H | S | 5-Fluorocytosine | H | O-amino acid |
| CH ₃ | H | S | 8-Fluoroadenine | H | O-amino acid |
| CH ₃ | H | S | 2-Fluoroadenine | H | O-amino acid |
| CH ₃ | H | S | 2,8-Difluoroadenine | H | O-amino acid |
| CH ₃ | H | S | 2-Fluorohypoxanthine | H | O-amino acid |
| CH ₃ | H | S | 8-Fluorohypoxanthine | H | O-amino acid |
| CH ₃ | H | S | 2,8-Difluorohypoxanthine | H | O-amino acid |
| CH ₃ | H | S | 2-Aminoadenine | H | O-amino acid |
| CH ₃ | H | S | 2-Amino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | H | S | 2-Amino-8-fluorohypoxanthine | H | O-amino acid |
| CH ₃ | H | S | 2-Aminohypoxanthine | H | O-amino acid |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CH ₃ | H | S | 2-N-acetylguanine | H | O-amino acid |
| CH ₃ | H | S | 4-N-acetylcytosine | H | O-amino acid |
| CH ₃ | H | S | 6-N-acetyladenine | H | O-amino acid |
| CH ₃ | H | S | 2-N-acetyl-8-fluoroguanine | H | O-amino acid |
| CH ₃ | H | S | 4-N-acetyl-5-fluorocytosine | H | O-amino acid |
| CH ₃ | H | S | 6-N-acetyl-2-fluoroadenine | H | O-amino acid |
| CH ₃ | H | S | 6-N-acetyl-2,8-difluoroadenine | H | O-amino acid |
| CH ₃ | H | S | 6-N-acetyl-2-aminoadenine | H | O-amino acid |
| CH ₃ | H | S | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | H | S | 2-N-acetylaminoadenine | H | O-amino acid |
| CH ₃ | H | S | 2-N-acetylamino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | H | S | 2-N-acetylamino-8-fluorohypoxanthine | H | O-amino acid |
| CH ₃ | H | S | 2-N-acetylaminohypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | S | Thymine | H | O-amino acid |
| CH ₃ | O-amino acid | S | Uracil | H | O-amino acid |
| CH ₃ | O-amino acid | S | Guanine | H | O-amino acid |
| CH ₃ | O-amino acid | S | Cytosine | H | O-amino acid |
| CH ₃ | O-amino acid | S | Adenine | H | O-amino acid |
| CH ₃ | O-amino acid | S | Hypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | S | 5-Fluorouracil | H | O-amino acid |
| CH ₃ | O-amino acid | S | 8-Fluoroguanine | H | O-amino acid |
| CH ₃ | O-amino acid | S | 5-Fluorocytosine | H | O-amino acid |
| CH ₃ | O-amino acid | S | 8-Fluoroadenine | H | O-amino acid |
| CH ₃ | O-amino acid | S | 2-Fluoroadenine | H | O-amino acid |
| CH ₃ | O-amino acid | S | 2,8-Difluoroadenine | H | O-amino acid |
| CH ₃ | O-amino acid | S | 2-Fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | S | 8-Fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | S | 2,8-Difluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | S | 2-Aminoadenine | H | O-amino acid |
| CH ₃ | O-amino acid | S | 2-Amino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | O-amino acid | S | 2-Amino-8-fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | S | 2-Aminohypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | S | 2-N-acetylguanine | H | O-amino acid |
| CH ₃ | O-amino acid | S | 4-N-acetylcytosine | H | O-amino acid |
| CH ₃ | O-amino acid | S | 6-N-acetyladenine | H | O-amino acid |
| CH ₃ | O-amino acid | S | 2-N-acetyl-8-fluoroguanine | H | O-amino acid |
| CH ₃ | O-amino acid | S | 4-N-acetyl-5-fluorocytosine | H | O-amino acid |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-fluoroadenine | H | O-amino acid |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2,8-difluoroadenine | H | O-amino acid |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-aminoadenine | H | O-amino acid |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | O-amino acid | S | 2-N-acetylaminoadenine | H | O-amino acid |
| CH ₃ | O-amino acid | S | 2-N-acetylamino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | O-amino acid | S | 2-N-acetylamino-8-fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | S | 2-N-acetylaminohypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | S | Thymine | H | O-amino acid |
| CH ₃ | O-acyl | S | Uracil | H | O-amino acid |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CH ₃ | O-acyl | S | Guanine | H | O-amino acid |
| CH ₃ | O-acyl | S | Cytosine | H | O-amino acid |
| CH ₃ | O-acyl | S | Adenine | H | O-amino acid |
| CH ₃ | O-acyl | S | Hypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | S | 5-Fluorouracil | H | O-amino acid |
| CH ₃ | O-acyl | S | 8-Fluoroguanine | H | O-amino acid |
| CH ₃ | O-acyl | S | 5-Fluorocytosine | H | O-amino acid |
| CH ₃ | O-acyl | S | 8-Fluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | S | 2-Fluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | S | 2,8-Difluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | S | 2-Fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | S | 8-Fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | S | 2,8-Difluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | S | 2-Aminoadenine | H | O-amino acid |
| CH ₃ | O-acyl | S | 2-Amino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | S | 2-Amino-8-fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | S | 2-Aminohypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | S | 2-N-acetylguanine | H | O-amino acid |
| CH ₃ | O-acyl | S | 4-N-acetylcytosine | H | O-amino acid |
| CH ₃ | O-acyl | S | 6-N-acetyladenine | H | O-amino acid |
| CH ₃ | O-acyl | S | 2-N-acetyl-8-fluoroguanine | H | O-amino acid |
| CH ₃ | O-acyl | S | 4-N-acetyl-5-fluorocytosine | H | O-amino acid |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-fluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | S | 6-N-acetyl-2,8-difluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-aminoadenine | H | O-amino acid |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | S | 2-N-acetylaminoadenine | H | O-amino acid |
| CH ₃ | O-acyl | S | 2-N-acetyl-amino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | S | 2-N-acetyl-amino-8-fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | S | 2-N-acetylaminohypoxanthine | H | O-amino acid |
| CH ₃ | OH | S | Thymine | H | O-amino acid |
| CH ₃ | OH | S | Uracil | H | O-amino acid |
| CH ₃ | OH | S | Guanine | H | O-amino acid |
| CH ₃ | OH | S | Cytosine | H | O-amino acid |
| CH ₃ | OH | S | Adenine | H | O-amino acid |
| CH ₃ | OH | S | Hypoxanthine | H | O-amino acid |
| CH ₃ | OH | S | 5-Fluorouracil | H | O-amino acid |
| CH ₃ | OH | S | 8-Fluoroguanine | H | O-amino acid |
| CH ₃ | OH | S | 5-Fluorocytosine | H | O-amino acid |
| CH ₃ | OH | S | 8-Fluoroadenine | H | O-amino acid |
| CH ₃ | OH | S | 2-Fluoroadenine | H | O-amino acid |
| CH ₃ | OH | S | 2,8-Difluoroadenine | H | O-amino acid |
| CH ₃ | OH | S | 2-Fluorohypoxanthine | H | O-amino acid |
| CH ₃ | OH | S | 8-Fluorohypoxanthine | H | O-amino acid |
| CH ₃ | OH | S | 2,8-Difluorohypoxanthine | H | O-amino acid |
| CH ₃ | OH | S | 2-Aminoadenine | H | O-amino acid |
| CH ₃ | OH | S | 2-Amino-8-fluoroadenine | H | O-amino acid |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CH ₃ | OH | S | 2-Amino-8-fluorohypoxanthine | H | O-amino acid |
| CH ₃ | OH | S | 2-Aminohypoxanthine | H | O-amino acid |
| CH ₃ | OH | S | 2-N-acetylguanine | H | O-amino acid |
| CH ₃ | OH | S | 4-N-acetylcytosine | H | O-amino acid |
| CH ₃ | OH | S | 6-N-acetyladenine | H | O-amino acid |
| CH ₃ | OH | S | 2-N-acetyl-8-fluoroguanine | H | O-amino acid |
| CH ₃ | OH | S | 4-N-acetyl-5-fluorocytosine | H | O-amino acid |
| CH ₃ | OH | S | 6-N-acetyl-2-fluoroadenine | H | O-amino acid |
| CH ₃ | OH | S | 6-N-acetyl-2,8-difluoroadenine | H | O-amino acid |
| CH ₃ | OH | S | 6-N-acetyl-2-aminoadenine | H | O-amino acid |
| CH ₃ | OH | S | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | OH | S | 2-N-acetylaminoadenine | H | O-amino acid |
| CH ₃ | OH | S | 2-N-acetyl-amino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | OH | S | 2-N-acetyl-amino-8-fluorohypoxanthine | H | O-amino acid |
| CH ₃ | OH | S | 2-N-acetylaminohypoxanthine | H | O-amino acid |
| CH ₃ | H | S | Thymine | OH | O-amino acid |
| CH ₃ | H | S | Uracil | OH | O-amino acid |
| CH ₃ | H | S | Guanine | OH | O-amino acid |
| CH ₃ | H | S | Cytosine | OH | O-amino acid |
| CH ₃ | H | S | Adenine | OH | O-amino acid |
| CH ₃ | H | S | Hypoxanthine | OH | O-amino acid |
| CH ₃ | H | S | 5-Fluorouracil | OH | O-amino acid |
| CH ₃ | H | S | 8-Fluoroguanine | OH | O-amino acid |
| CH ₃ | H | S | 5-Fluorocytosine | OH | O-amino acid |
| CH ₃ | H | S | 8-Fluoroadenine | OH | O-amino acid |
| CH ₃ | H | S | 2-Fluoroadenine | OH | O-amino acid |
| CH ₃ | H | S | 2,8-Difluoroadenine | OH | O-amino acid |
| CH ₃ | H | S | 2-Fluorohypoxanthine | OH | O-amino acid |
| CH ₃ | H | S | 8-Fluorohypoxanthine | OH | O-amino acid |
| CH ₃ | H | S | 2,8-Difluorohypoxanthine | OH | O-amino acid |
| CH ₃ | H | S | 2-Aminoadenine | OH | O-amino acid |
| CH ₃ | H | S | 2-Amino-8-fluoroadenine | OH | O-amino acid |
| CH ₃ | H | S | 2-Amino-8-fluorohypoxanthine | OH | O-amino acid |
| CH ₃ | H | S | 2-Aminohypoxanthine | OH | O-amino acid |
| CH ₃ | H | S | 2-N-acetylguanine | OH | O-amino acid |
| CH ₃ | H | S | 4-N-acetylcytosine | OH | O-amino acid |
| CH ₃ | H | S | 6-N-acetyladenine | OH | O-amino acid |
| CH ₃ | H | S | 2-N-acetyl-8-fluoroguanine | OH | O-amino acid |
| CH ₃ | H | S | 4-N-acetyl-5-fluorocytosine | OH | O-amino acid |
| CH ₃ | H | S | 6-N-acetyl-2-fluoroadenine | OH | O-amino acid |
| CH ₃ | H | S | 6-N-acetyl-2,8-difluoroadenine | OH | O-amino acid |
| CH ₃ | H | S | 6-N-acetyl-2-aminoadenine | OH | O-amino acid |
| CH ₃ | H | S | 6-N-acetyl-2-amino-8-fluoroadenine | OH | O-amino acid |
| CH ₃ | H | S | 2-N-acetylaminoadenine | OH | O-amino acid |
| CH ₃ | H | S | 2-N-acetyl-amino-8-fluoroadenine | OH | O-amino acid |
| CH ₃ | H | S | 2-N-acetyl-amino-8-fluorohypoxanthine | OH | O-amino acid |
| CH ₃ | H | S | 2-N-acetylaminohypoxanthine | OH | OH |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CH ₃ | O-amino acid | S | Thymine | F | OH |
| CH ₃ | O-amino acid | S | Uracil | F | OH |
| CH ₃ | O-amino acid | S | Guanine | F | OH |
| CH ₃ | O-amino acid | S | Cytosine | F | OH |
| CH ₃ | O-amino acid | S | Adenine | F | OH |
| CH ₃ | O-amino acid | S | Hypoxanthine | F | OH |
| CH ₃ | O-amino acid | S | 5-Fluorouracil | F | OH |
| CH ₃ | O-amino acid | S | 8-Fluoroguanine | F | OH |
| CH ₃ | O-amino acid | S | 5-Fluorocytosine | F | OH |
| CH ₃ | O-amino acid | S | 8-Fluoroadenine | F | OH |
| CH ₃ | O-amino acid | S | 2-Fluoroadenine | F | OH |
| CH ₃ | O-amino acid | S | 2,8-Difluoroadenine | F | OH |
| CH ₃ | O-amino acid | S | 2-Fluorohypoxanthine | F | OH |
| CH ₃ | O-amino acid | S | 8-Fluorohypoxanthine | F | OH |
| CH ₃ | O-amino acid | S | 2,8-Difluorohypoxanthine | F | OH |
| CH ₃ | O-amino acid | S | 2-Aminoadenine | F | OH |
| CH ₃ | O-amino acid | S | 2-Amino-8-fluoroadenine | F | OH |
| CH ₃ | O-amino acid | S | 2-Amino-8-fluorohypoxanthine | F | OH |
| CH ₃ | O-amino acid | S | 2-Aminohypoxanthine | F | OH |
| CH ₃ | O-amino acid | S | 2-N-acetylguanine | F | OH |
| CH ₃ | O-amino acid | S | 4-N-acetylcytosine | F | OH |
| CH ₃ | O-amino acid | S | 6-N-acetyladenine | F | OH |
| CH ₃ | O-amino acid | S | 2-N-acetyl-8-fluoroguanine | F | OH |
| CH ₃ | O-amino acid | S | 4-N-acetyl-5-fluorocytosine | F | OH |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-fluoroadenine | F | OH |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2,8-difluoroadenine | F | OH |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-aminoadenine | F | OH |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-amino-8-fluoroadenine | F | OH |
| CH ₃ | O-amino acid | S | 2-N-acetylaminoadenine | F | OH |
| CH ₃ | O-amino acid | S | 2-N-acetyl-amino-8-fluoroadenine | F | OH |
| CH ₃ | O-amino acid | S | 2-N-acetyl-amino-8-fluorohypoxanthine | F | OH |
| CH ₃ | O-amino acid | S | 2-N-acetylaminohypoxanthine | F | OH |
| CH ₃ | O-acyl | S | Thymine | F | OH |
| CH ₃ | O-acyl | S | Uracil | F | OH |
| CH ₃ | O-acyl | S | Guanine | F | OH |
| CH ₃ | O-acyl | S | Cytosine | F | OH |
| CH ₃ | O-acyl | S | Adenine | F | OH |
| CH ₃ | O-acyl | S | Hypoxanthine | F | OH |
| CH ₃ | O-acyl | S | 5-Fluorouracil | F | OH |
| CH ₃ | O-acyl | S | 8-Fluoroguanine | F | OH |
| CH ₃ | O-acyl | S | 5-Fluorocytosine | F | OH |
| CH ₃ | O-acyl | S | 8-Fluoroadenine | F | OH |
| CH ₃ | O-acyl | S | 2-Fluoroadenine | F | OH |
| CH ₃ | O-acyl | S | 2,8-Difluoroadenine | F | OH |
| CH ₃ | O-acyl | S | 2-Fluorohypoxanthine | F | OH |
| CH ₃ | O-acyl | S | 8-Fluorohypoxanthine | F | OH |
| CH ₃ | O-acyl | S | 2,8-Difluorohypoxanthine | F | OH |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CH ₃ | O-acyl | S | 2-Aminoadenine | F | OH |
| CH ₃ | O-acyl | S | 2-Amino-8-fluoroadenine | F | OH |
| CH ₃ | O-acyl | S | 2-Amino-8-fluorohypoxanthine | F | OH |
| CH ₃ | O-acyl | S | 2-Aminohypoxanthine | F | OH |
| CH ₃ | O-acyl | S | 2-N-acetylguanine | F | OH |
| CH ₃ | O-acyl | S | 4-N-acetylcytosine | F | OH |
| CH ₃ | O-acyl | S | 6-N-acetyladenine | F | OH |
| CH ₃ | O-acyl | S | 2-N-acetyl-8-fluoroguanine | F | OH |
| CH ₃ | O-acyl | S | 4-N-acetyl-5-fluorocytosine | F | OH |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-fluoroadenine | F | OH |
| CH ₃ | O-acyl | S | 6-N-acetyl-2,8-difluoroadenine | F | OH |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-aminoadenine | F | OH |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-amino-8-fluoroadenine | F | OH |
| CH ₃ | O-acyl | S | 2-N-acetylaminoadenine | F | OH |
| CH ₃ | O-acyl | S | 2-N-acetyl-amino-8-fluoroadenine | F | OH |
| CH ₃ | O-acyl | S | 2-N-acetyl-amino-8-fluorohypoxanthine | F | OH |
| CH ₃ | O-acyl | S | 2-N-acetylaminohypoxanthine | F | OH |
| CH ₃ | O-amino acid | S | Thymine | Br | OH |
| CH ₃ | O-amino acid | S | Uracil | Br | OH |
| CH ₃ | O-amino acid | S | Guanine | Br | OH |
| CH ₃ | O-amino acid | S | Cytosine | Br | OH |
| CH ₃ | O-amino acid | S | Adenine | Br | OH |
| CH ₃ | O-amino acid | S | Hypoxanthine | Br | OH |
| CH ₃ | O-amino acid | S | 5-Fluorouracil | Br | OH |
| CH ₃ | O-amino acid | S | 8-Fluoroguanine | Br | OH |
| CH ₃ | O-amino acid | S | 5-Fluorocytosine | Br | OH |
| CH ₃ | O-amino acid | S | 8-Fluoroadenine | Br | OH |
| CH ₃ | O-amino acid | S | 2-Fluoroadenine | Br | OH |
| CH ₃ | O-amino acid | S | 2,8-Difluoroadenine | Br | OH |
| CH ₃ | O-amino acid | S | 2-Fluorohypoxanthine | Br | OH |
| CH ₃ | O-amino acid | S | 8-Fluorohypoxanthine | Br | OH |
| CH ₃ | O-amino acid | S | 2,8-Difluorohypoxanthine | Br | OH |
| CH ₃ | O-amino acid | S | 2-Aminoadenine | Br | OH |
| CH ₃ | O-amino acid | S | 2-Amino-8-fluoroadenine | Br | OH |
| CH ₃ | O-amino acid | S | 2-Amino-8-fluorohypoxanthine | Br | OH |
| CH ₃ | O-amino acid | S | 2-Aminohypoxanthine | Br | OH |
| CH ₃ | O-amino acid | S | 2-N-acetylguanine | Br | OH |
| CH ₃ | O-amino acid | S | 4-N-acetylcytosine | Br | OH |
| CH ₃ | O-amino acid | S | 6-N-acetyladenine | Br | OH |
| CH ₃ | O-amino acid | S | 2-N-acetyl-8-fluoroguanine | Br | OH |
| CH ₃ | O-amino acid | S | 4-N-acetyl-5-fluorocytosine | Br | OH |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-fluoroadenine | Br | OH |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2,8-difluoroadenine | Br | OH |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-aminoadenine | Br | OH |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-amino-8-fluoroadenine | Br | OH |
| CH ₃ | O-amino acid | S | 2-N-acetylaminoadenine | Br | OH |
| CH ₃ | O-amino acid | S | 2-N-acetyl-amino-8-fluoroadenine | Br | OH |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CH ₃ | O-amino acid | S | 2-N-acetyl-amino-8-fluorohypoxanthine | Br | OH |
| CH ₃ | O-amino acid | S | 2-N-acetylaminohypoxanthine | Br | OH |
| CH ₃ | O-acyl | S | Thymine | Br | OH |
| CH ₃ | O-acyl | S | Uracil | Br | OH |
| CH ₃ | O-acyl | S | Guanine | Br | OH |
| CH ₃ | O-acyl | S | Cytosine | Br | OH |
| CH ₃ | O-acyl | S | Adenine | Br | OH |
| CH ₃ | O-acyl | S | Hypoxanthine | Br | OH |
| CH ₃ | O-acyl | S | 5-Fluorouracil | Br | OH |
| CH ₃ | O-acyl | S | 8-Fluoroguanine | Br | OH |
| CH ₃ | O-acyl | S | 5-Fluorocytosine | Br | OH |
| CH ₃ | O-acyl | S | 8-Fluoroadenine | Br | OH |
| CH ₃ | O-acyl | S | 2-Fluoroadenine | Br | OH |
| CH ₃ | O-acyl | S | 2,8-Difluoroadenine | Br | OH |
| CH ₃ | O-acyl | S | 2-Fluorohypoxanthine | Br | OH |
| CH ₃ | O-acyl | S | 8-Fluorohypoxanthine | Br | OH |
| CH ₃ | O-acyl | S | 2,8-Difluorohypoxanthine | Br | OH |
| CH ₃ | O-acyl | S | 2-Aminoadenine | Br | OH |
| CH ₃ | O-acyl | S | 2-Amino-8-fluoroadenine | Br | OH |
| CH ₃ | O-acyl | S | 2-Amino-8-fluorohypoxanthine | Br | OH |
| CH ₃ | O-acyl | S | 2-Aminohypoxanthine | Br | OH |
| CH ₃ | O-acyl | S | 2-N-acetylguanine | Br | OH |
| CH ₃ | O-acyl | S | 4-N-acetylcytosine | Br | OH |
| CH ₃ | O-acyl | S | 6-N-acetyladenine | Br | OH |
| CH ₃ | O-acyl | S | 2-N-acetyl-8-fluoroguanine | Br | OH |
| CH ₃ | O-acyl | S | 4-N-acetyl-5-fluorocytosine | Br | OH |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-fluoroadenine | Br | OH |
| CH ₃ | O-acyl | S | 6-N-acetyl-2,8-difluoroadenine | Br | OH |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-aminoadenine | Br | OH |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-amino-8-fluoroadenine | Br | OH |
| CH ₃ | O-acyl | S | 2-N-acetylaminoadenine | Br | OH |
| CH ₃ | O-acyl | S | 2-N-acetyl-amino-8-fluoroadenine | Br | OH |
| CH ₃ | O-acyl | S | 2-N-acetyl-amino-8-fluorohypoxanthine | Br | OH |
| CH ₃ | O-acyl | S | 2-N-acetylaminohypoxanthine | Br | OH |
| CH ₃ | O-amino acid | S | Thymine | Cl | OH |
| CH ₃ | O-amino acid | S | Uracil | Cl | OH |
| CH ₃ | O-amino acid | S | Guanine | Cl | OH |
| CH ₃ | O-amino acid | S | Cytosine | Cl | OH |
| CH ₃ | O-amino acid | S | Adenine | Cl | OH |
| CH ₃ | O-amino acid | S | Hypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | S | 5-Fluorouracil | Cl | OH |
| CH ₃ | O-amino acid | S | 8-Fluoroguanine | Cl | OH |
| CH ₃ | O-amino acid | S | 5-Fluorocytosine | Cl | OH |
| CH ₃ | O-amino acid | S | 8-Fluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | S | 2-Fluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | S | 2,8-Difluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | S | 2-Fluorohypoxanthine | Cl | OH |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CH ₃ | O-amino acid | S | 8-Fluorohypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | S | 2,8-Difluorohypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | S | 2-Aminoadenine | Cl | OH |
| CH ₃ | O-amino acid | S | 2-Amino-8-fluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | S | 2-Amino-8-fluorohypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | S | 2-Aminohypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | S | 2-N-acetylguanine | Cl | OH |
| CH ₃ | O-amino acid | S | 4-N-acetylcytosine | Cl | OH |
| CH ₃ | O-amino acid | S | 6-N-acetyladenine | Cl | OH |
| CH ₃ | O-amino acid | S | 2-N-acetyl-8-fluoroguanine | Cl | OH |
| CH ₃ | O-amino acid | S | 4-N-acetyl-5-fluorocytosine | Cl | OH |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-fluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2,8-difluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-aminoadenine | Cl | OH |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | S | 2-N-acetylaminoadenine | Cl | OH |
| CH ₃ | O-amino acid | S | 2-N-acetyl-amino-8-fluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | S | 2-N-acetyl-amino-8-fluorohypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | S | 2-N-acetylaminohypoxanthine | Cl | OH |
| CH ₃ | O-acyl | S | Thymine | Cl | OH |
| CH ₃ | O-acyl | S | Uracil | Cl | OH |
| CH ₃ | O-acyl | S | Guanine | Cl | OH |
| CH ₃ | O-acyl | S | Cytosine | Cl | OH |
| CH ₃ | O-acyl | S | Adenine | Cl | OH |
| CH ₃ | O-acyl | S | Hypoxanthine | Cl | OH |
| CH ₃ | O-acyl | S | 5-Fluorouracil | Cl | OH |
| CH ₃ | O-acyl | S | 8-Fluoroguanine | Cl | OH |
| CH ₃ | O-acyl | S | 5-Fluorocytosine | Cl | OH |
| CH ₃ | O-acyl | S | 8-Fluoroadenine | Cl | OH |
| CH ₃ | O-acyl | S | 2-Fluoroadenine | Cl | OH |
| CH ₃ | O-acyl | S | 2,8-Difluoroadenine | Cl | OH |
| CH ₃ | O-acyl | S | 2-Fluorohypoxanthine | Cl | OH |
| CH ₃ | O-acyl | S | 8-Fluorohypoxanthine | Cl | OH |
| CH ₃ | O-acyl | S | 2,8-Difluorohypoxanthine | Cl | OH |
| CH ₃ | O-acyl | S | 2-Aminoadenine | Cl | OH |
| CH ₃ | O-acyl | S | 2-Amino-8-fluoroadenine | Cl | OH |
| CH ₃ | O-acyl | S | 2-Amino-8-fluorohypoxanthine | Cl | OH |
| CH ₃ | O-acyl | S | 2-Aminohypoxanthine | Cl | OH |
| CH ₃ | O-acyl | S | 2-N-acetylguanine | Cl | OH |
| CH ₃ | O-acyl | S | 4-N-acetylcytosine | Cl | OH |
| CH ₃ | O-acyl | S | 6-N-acetyladenine | Cl | OH |
| CH ₃ | O-acyl | S | 2-N-acetyl-8-fluoroguanine | Cl | OH |
| CH ₃ | O-acyl | S | 4-N-acetyl-5-fluorocytosine | Cl | OH |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-fluoroadenine | Cl | OH |
| CH ₃ | O-acyl | S | 6-N-acetyl-2,8-difluoroadenine | Cl | OH |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-aminoadenine | Cl | OH |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | OH |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CH ₃ | O-acyl | S | 2-N-acetylaminoadenine | Cl | OH |
| CH ₃ | O-acyl | S | 2-N-acetylamino-8-fluoroadenine | Cl | OH |
| CH ₃ | O-acyl | S | 2-N-acetylamino-8-fluorohypoxanthine | Cl | OH |
| CH ₃ | O-acyl | S | 2-N-acetylaminohypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | S | Thymine | H | OH |
| CH ₃ | O-amino acid | S | Uracil | H | OH |
| CH ₃ | O-amino acid | S | Guanine | H | OH |
| CH ₃ | O-amino acid | S | Cytosine | H | OH |
| CH ₃ | O-amino acid | S | Adenine | H | OH |
| CH ₃ | O-amino acid | S | Hypoxanthine | H | OH |
| CH ₃ | O-amino acid | S | 5-Fluorouracil | H | OH |
| CH ₃ | O-amino acid | S | 8-Fluoroguanine | H | OH |
| CH ₃ | O-amino acid | S | 5-Fluorocytosine | H | OH |
| CH ₃ | O-amino acid | S | 8-Fluoroadenine | H | OH |
| CH ₃ | O-amino acid | S | 2-Fluoroadenine | H | OH |
| CH ₃ | O-amino acid | S | 2,8-Difluoroadenine | H | OH |
| CH ₃ | O-amino acid | S | 2-Fluorohypoxanthine | H | OH |
| CH ₃ | O-amino acid | S | 8-Fluorohypoxanthine | H | OH |
| CH ₃ | O-amino acid | S | 2,8-Difluorohypoxanthine | H | OH |
| CH ₃ | O-amino acid | S | 2-Aminoadenine | H | OH |
| CH ₃ | O-amino acid | S | 2-Amino-8-fluoroadenine | H | OH |
| CH ₃ | O-amino acid | S | 2-Amino-8-fluorohypoxanthine | H | OH |
| CH ₃ | O-amino acid | S | 2-Aminohypoxanthine | H | OH |
| CH ₃ | O-amino acid | S | 2-N-acetylguanine | H | OH |
| CH ₃ | O-amino acid | S | 4-N-acetylcytosine | H | OH |
| CH ₃ | O-amino acid | S | 6-N-acetyladenine | H | OH |
| CH ₃ | O-amino acid | S | 2-N-acetyl-8-fluoroguanine | H | OH |
| CH ₃ | O-amino acid | S | 4-N-acetyl-5-fluorocytosine | H | OH |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-fluoroadenine | H | OH |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2,8-difluoroadenine | H | OH |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-aminoadenine | H | OH |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-amino-8-fluoroadenine | H | OH |
| CH ₃ | O-amino acid | S | 2-N-acetylaminoadenine | H | OH |
| CH ₃ | O-amino acid | S | 2-N-acetylamino-8-fluoroadenine | H | OH |
| CH ₃ | O-amino acid | S | 2-N-acetylamino-8-fluorohypoxanthine | H | OH |
| CH ₃ | O-amino acid | S | 2-N-acetylaminohypoxanthine | H | OH |
| CH ₃ | O-acyl | S | Thymine | H | OH |
| CH ₃ | O-acyl | S | Uracil | H | OH |
| CH ₃ | O-acyl | S | Guanine | H | OH |
| CH ₃ | O-acyl | S | Cytosine | H | OH |
| CH ₃ | O-acyl | S | Adenine | H | OH |
| CH ₃ | O-acyl | S | Hypoxanthine | H | OH |
| CH ₃ | O-acyl | S | 5-Fluorouracil | H | OH |
| CH ₃ | O-acyl | S | 8-Fluoroguanine | H | OH |
| CH ₃ | O-acyl | S | 5-Fluorocytosine | H | OH |
| CH ₃ | O-acyl | S | 8-Fluoroadenine | H | OH |
| CH ₃ | O-acyl | S | 2-Fluoroadenine | H | OH |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CH ₃ | O-acyl | S | 2,8-Difluoroadenine | H | OH |
| CH ₃ | O-acyl | S | 2-Fluorohypoxanthine | H | OH |
| CH ₃ | O-acyl | S | 8-Fluorohypoxanthine | H | OH |
| CH ₃ | O-acyl | S | 2,8-Difluorohypoxanthine | H | OH |
| CH ₃ | O-acyl | S | 2-Aminoadenine | H | OH |
| CH ₃ | O-acyl | S | 2-Amino-8-fluoroadenine | H | OH |
| CH ₃ | O-acyl | S | 2-Amino-8-fluorohypoxanthine | H | OH |
| CH ₃ | O-acyl | S | 2-Aminohypoxanthine | H | OH |
| CH ₃ | O-acyl | S | 2-N-acetylguanine | H | OH |
| CH ₃ | O-acyl | S | 4-N-acetylcytosine | H | OH |
| CH ₃ | O-acyl | S | 6-N-acetyladenine | H | OH |
| CH ₃ | O-acyl | S | 2-N-acetyl-8-fluoroguanine | H | OH |
| CH ₃ | O-acyl | S | 4-N-acetyl-5-fluorocytosine | H | OH |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-fluoroadenine | H | OH |
| CH ₃ | O-acyl | S | 6-N-acetyl-2,8-difluoroadenine | H | OH |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-aminoadenine | H | OH |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-amino-8-fluoroadenine | H | OH |
| CH ₃ | O-acyl | S | 2-N-acetylaminoadenine | H | OH |
| CH ₃ | O-acyl | S | 2-N-acetylamino-8-fluoroadenine | H | OH |
| CH ₃ | O-acyl | S | 2-N-acetylamino-8-fluorohypoxanthine | H | OH |
| CH ₃ | O-acyl | S | 2-N-acetylaminohypoxanthine | H | H |
| CH ₃ | O-amino acid | S | Thymine | O-amino acid | H |
| CH ₃ | O-amino acid | S | Uracil | O-amino acid | H |
| CH ₃ | O-amino acid | S | Guanine | O-amino acid | H |
| CH ₃ | O-amino acid | S | Cytosine | O-amino acid | H |
| CH ₃ | O-amino acid | S | Adenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | Hypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 5-Fluorouracil | O-amino acid | H |
| CH ₃ | O-amino acid | S | 8-Fluoroguanine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 5-Fluorocytosine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 8-Fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-Fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2,8-Difluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-Fluorohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 8-Fluorohypoxanthine | O-amino acid | H |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| | | | | acid | |
| CH ₃ | O-amino acid | S | 2,8-Difluorohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-Aminoadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-Amino-8-fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-Amino-8-fluorohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-Aminohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-N-acetylguanine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 4-N-acetylcytosine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 6-N-acetyladenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-N-acetyl-8-fluoroguanine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 4-N-acetyl-5-fluorocytosine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2,8-difluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-aminoadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-amino-8-fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-N-acetylaminoadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-N-acetyl-amino-8-fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-N-acetyl-amino-8-fluorohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-N-acetylaminohypoxanthine | O-amino acid | H |
| CH ₃ | O-acyl | S | Thymine | O-acyl | H |
| CH ₃ | O-acyl | S | Uracil | O-acyl | H |
| CH ₃ | O-acyl | S | Guanine | O-acyl | H |
| CH ₃ | O-acyl | S | Cytosine | O-acyl | H |
| CH ₃ | O-acyl | S | Adenine | O-acyl | H |
| CH ₃ | O-acyl | S | Hypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | S | 5-Fluorouracil | O-acyl | H |
| CH ₃ | O-acyl | S | 8-Fluoroguanine | O-acyl | H |
| CH ₃ | O-acyl | S | 5-Fluorocytosine | O-acyl | H |
| CH ₃ | O-acyl | S | 8-Fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-Fluoroadenine | O-acyl | H |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CH ₃ | O-acyl | S | 2,8-Difluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-Fluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | S | 8-Fluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | S | 2,8-Difluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-Aminoadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-Amino-8-fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-Amino-8-fluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-Aminohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-N-acetylguanine | O-acyl | H |
| CH ₃ | O-acyl | S | 4-N-acetylcytosine | O-acyl | H |
| CH ₃ | O-acyl | S | 6-N-acetyladenine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-N-acetyl-8-fluoroguanine | O-acyl | H |
| CH ₃ | O-acyl | S | 4-N-acetyl-5-fluorocytosine | O-acyl | H |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 6-N-acetyl-2,8-difluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-aminoadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-amino-8-fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-N-acetylaminoadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-N-acetyl-amino-8-fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-N-acetyl-amino-8-fluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-N-acetylaminohypoxanthine | O-acyl | H |
| CH ₃ | O-amino acid | S | Thymine | O-amino acid | H |
| CH ₃ | O-amino acid | S | Uracil | O-amino acid | H |
| CH ₃ | O-amino acid | S | Guanine | O-amino acid | H |
| CH ₃ | O-amino acid | S | Cytosine | O-amino acid | H |
| CH ₃ | O-amino acid | S | Adenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | Hypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 5-Fluorouracil | O-amino acid | H |
| CH ₃ | O-amino acid | S | 8-Fluoroguanine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 5-Fluorocytosine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 8-Fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-Fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2,8-Difluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-Fluorohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 8-Fluorohypoxanthine | O-amino | H |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| | | | | acid | |
| CH ₃ | O-amino acid | S | 2,8-Difluorohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-Aminoadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-Amino-8-fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-Amino-8-fluorohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-Aminohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-N-acetylguanine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 4-N-acetylcytosine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 6-N-acetyladenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-N-acetyl-8-fluoroguanine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 4-N-acetyl-5-fluorocytosine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2,8-difluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-aminoadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-amino-8-fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-N-acetylaminoadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-N-acetyl-amino-8-fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-N-acetyl-amino-8-fluorohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-N-acetylaminohypoxanthine | O-amino acid | H |
| CH ₃ | O-acyl | S | Thymine | O-acyl | H |
| CH ₃ | O-acyl | S | Uracil | O-acyl | H |
| CH ₃ | O-acyl | S | Guanine | O-acyl | H |
| CH ₃ | O-acyl | S | Cytosine | O-acyl | H |
| CH ₃ | O-acyl | S | Adenine | O-acyl | H |
| CH ₃ | O-acyl | S | Hypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | S | 5-Fluorouracil | O-acyl | H |
| CH ₃ | O-acyl | S | 8-Fluoroguanine | O-acyl | H |
| CH ₃ | O-acyl | S | 5-Fluorocytosine | O-acyl | H |
| CH ₃ | O-acyl | S | 8-Fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-Fluoroadenine | O-acyl | H |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CH ₃ | O-acyl | S | 2,8-Difluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-Fluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | S | 8-Fluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | S | 2,8-Difluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-Aminoadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-Amino-8-fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-Amino-8-fluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-Aminohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-N-acetylguanine | O-acyl | H |
| CH ₃ | O-acyl | S | 4-N-acetylcytosine | O-acyl | H |
| CH ₃ | O-acyl | S | 6-N-acetyladenine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-N-acetyl-8-fluoroguanine | O-acyl | H |
| CH ₃ | O-acyl | S | 4-N-acetyl-5-fluorocytosine | O-acyl | H |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 6-N-acetyl-2,8-difluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-aminoadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-amino-8-fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-N-acetylaminoadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-N-acetylamino-8-fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-N-acetylamino-8-fluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-N-acetylaminohypoxanthine | O-acyl | H |
| CH ₃ | O-amino acid | S | Thymine | O-amino acid | H |
| CH ₃ | O-amino acid | S | Uracil | O-amino acid | H |
| CH ₃ | O-amino acid | S | Guanine | O-amino acid | H |
| CH ₃ | O-amino acid | S | Cytosine | O-amino acid | H |
| CH ₃ | O-amino acid | S | Adenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | Hypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 5-Fluorouracil | O-amino acid | H |
| CH ₃ | O-amino acid | S | 8-Fluoroguanine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 5-Fluorocytosine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 8-Fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-Fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2,8-Difluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-Fluorohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 8-Fluorohypoxanthine | O-amino acid | H |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| | | | | acid | |
| CH ₃ | O-amino acid | S | 2,8-Difluorohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-Aminoadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-Amino-8-fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-Amino-8-fluorohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-Aminohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-N-acetylguanine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 4-N-acetylcytosine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 6-N-acetyladenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-N-acetyl-8-fluoroguanine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 4-N-acetyl-5-fluorocytosine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2,8-difluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-aminoadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-amino-8-fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-N-acetylaminoadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-N-acetyl-amino-8-fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-N-acetyl-amino-8-fluorohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-N-acetylaminohypoxanthine | O-amino acid | H |
| CH ₃ | O-acyl | S | Thymine | O-acyl | H |
| CH ₃ | O-acyl | S | Uracil | O-acyl | H |
| CH ₃ | O-acyl | S | Guanine | O-acyl | H |
| CH ₃ | O-acyl | S | Cytosine | O-acyl | H |
| CH ₃ | O-acyl | S | Adenine | O-acyl | H |
| CH ₃ | O-acyl | S | Hypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | S | 5-Fluorouracil | O-acyl | H |
| CH ₃ | O-acyl | S | 8-Fluoroguanine | O-acyl | H |
| CH ₃ | O-acyl | S | 5-Fluorocytosine | O-acyl | H |
| CH ₃ | O-acyl | S | 8-Fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-Fluoroadenine | O-acyl | H |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CH ₃ | O-acyl | S | 2,8-Difluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-Fluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | S | 8-Fluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | S | 2,8-Difluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-Aminoadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-Amino-8-fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-Amino-8-fluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-Aminohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-N-acetylguanine | O-acyl | H |
| CH ₃ | O-acyl | S | 4-N-acetylcytosine | O-acyl | H |
| CH ₃ | O-acyl | S | 6-N-acetyladenine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-N-acetyl-8-fluoroguanine | O-acyl | H |
| CH ₃ | O-acyl | S | 4-N-acetyl-5-fluorocytosine | O-acyl | H |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 6-N-acetyl-2,8-difluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-aminoadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-amino-8-fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-N-acetylaminoadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-N-acetylamino-8-fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-N-acetylamino-8-fluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-N-acetylaminohypoxanthine | O-acyl | H |
| CH ₃ | O-amino acid | S | Thymine | O-amino acid | H |
| CH ₃ | O-amino acid | S | Uracil | O-amino acid | H |
| CH ₃ | O-amino acid | S | Guanine | O-amino acid | H |
| CH ₃ | O-amino acid | S | Cytosine | O-amino acid | H |
| CH ₃ | O-amino acid | S | Adenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | Hypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 5-Fluorouracil | O-amino acid | H |
| CH ₃ | O-amino acid | S | 8-Fluoroguanine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 5-Fluorocytosine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 8-Fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-Fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2,8-Difluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-Fluorohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 8-Fluorohypoxanthine | O-amino acid | H |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| | | | | acid | |
| CH ₃ | O-amino acid | S | 2,8-Difluorohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-Aminoadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-Amino-8-fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-Amino-8-fluorohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-Aminohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-N-acetylguanine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 4-N-acetylcytosine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 6-N-acetyladenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-N-acetyl-8-fluoroguanine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 4-N-acetyl-5-fluorocytosine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2,8-difluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-aminoadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-amino-8-fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-N-acetylaminoadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-N-acetyl-amino-8-fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-N-acetyl-amino-8-fluorohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-N-acetylaminohypoxanthine | O-amino acid | H |
| CH ₃ | O-acyl | S | Thymine | O-acyl | H |
| CH ₃ | O-acyl | S | Uracil | O-acyl | H |
| CH ₃ | O-acyl | S | Guanine | O-acyl | H |
| CH ₃ | O-acyl | S | Cytosine | O-acyl | H |
| CH ₃ | O-acyl | S | Adenine | O-acyl | H |
| CH ₃ | O-acyl | S | Hypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | S | 5-Fluorouracil | O-acyl | H |
| CH ₃ | O-acyl | S | 8-Fluoroguanine | O-acyl | H |
| CH ₃ | O-acyl | S | 5-Fluorocytosine | O-acyl | H |
| CH ₃ | O-acyl | S | 8-Fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-Fluoroadenine | O-acyl | H |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| CH ₃ | O-acyl | S | 2,8-Difluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-Fluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | S | 8-Fluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | S | 2,8-Difluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-Aminoadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-Amino-8-fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-Amino-8-fluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-Aminohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-N-acetylguanine | O-acyl | H |
| CH ₃ | O-acyl | S | 4-N-acetylcytosine | O-acyl | H |
| CH ₃ | O-acyl | S | 6-N-acetyladenine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-N-acetyl-8-fluoroguanine | O-acyl | H |
| CH ₃ | O-acyl | S | 4-N-acetyl-5-fluorocytosine | O-acyl | H |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 6-N-acetyl-2,8-difluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-aminoadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-amino-8-fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-N-acetylaminoadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-N-acetyl-amino-8-fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-N-acetyl-amino-8-fluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-N-acetylaminohypoxanthine | O-acyl | H |
| CH ₃ | O-amino acid | S | Thymine | O-amino acid | H |
| CH ₃ | O-amino acid | S | Uracil | O-amino acid | H |
| CH ₃ | O-amino acid | S | Guanine | O-amino acid | H |
| CH ₃ | O-amino acid | S | Cytosine | O-amino acid | H |
| CH ₃ | O-amino acid | S | Adenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | Hypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 5-Fluorouracil | O-amino acid | H |
| CH ₃ | O-amino acid | S | 8-Fluoroguanine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 5-Fluorocytosine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 8-Fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-Fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2,8-Difluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-Fluorohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 8-Fluorohypoxanthine | O-amino | H |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|---------------------------------------|----------------|----------------|
| | | | | acid | |
| CH ₃ | O-amino acid | S | 2,8-Difluorohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-Aminoadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-Amino-8-fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-Amino-8-fluorohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-Aminohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-N-acetylguanine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 4-N-acetylcytosine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 6-N-acetyladenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-N-acetyl-8-fluoroguanine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 4-N-acetyl-5-fluorocytosine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2,8-difluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-aminoadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 6-N-acetyl-2-amino-8-fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-N-acetylaminoadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-N-acetyl-amino-8-fluoroadenine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-N-acetyl-amino-8-fluorohypoxanthine | O-amino acid | H |
| CH ₃ | O-amino acid | S | 2-N-acetylaminohypoxanthine | O-amino acid | H |
| CH ₃ | O-acyl | S | Thymine | O-acyl | H |
| CH ₃ | O-acyl | S | Uracil | O-acyl | H |
| CH ₃ | O-acyl | S | Guanine | O-acyl | H |
| CH ₃ | O-acyl | S | Cytosine | O-acyl | H |
| CH ₃ | O-acyl | S | Adenine | O-acyl | H |
| CH ₃ | O-acyl | S | Hypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | S | 5-Fluorouracil | O-acyl | H |
| CH ₃ | O-acyl | S | 8-Fluoroguanine | O-acyl | H |
| CH ₃ | O-acyl | S | 5-Fluorocytosine | O-acyl | H |
| CH ₃ | O-acyl | S | 8-Fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-Fluoroadenine | O-acyl | H |

| R ⁶ | R ⁷ | X | Base | R ⁸ | R ⁹ |
|-----------------|----------------|---|--------------------------------------|----------------|----------------|
| CH ₃ | O-acyl | S | 2,8-Difluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-Fluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | S | 8-Fluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | S | 2,8-Difluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-Aminoadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-Amino-8-fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-Amino-8-fluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-Aminohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-N-acetylguanine | O-acyl | H |
| CH ₃ | O-acyl | S | 4-N-acetylcytosine | O-acyl | H |
| CH ₃ | O-acyl | S | 6-N-acetyladenine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-N-acetyl-8-fluoroguanine | O-acyl | H |
| CH ₃ | O-acyl | S | 4-N-acetyl-5-fluorocytosine | O-acyl | H |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 6-N-acetyl-2,8-difluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-aminoadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 6-N-acetyl-2-amino-8-fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-N-acetylaminoadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-N-acetylamino-8-fluoroadenine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-N-acetylamino-8-fluorohypoxanthine | O-acyl | H |
| CH ₃ | O-acyl | S | 2-N-acetylaminohypoxanthine | O-acyl | H |

Table 19

| R ² | R ³ | X ¹ | Y |
|----------------|----------------|----------------|-----------------|
| acyl | H | H | H |
| acyl | H | H | NH ₂ |
| acyl | H | H | NH-cyclopropyl |
| acyl | H | H | NH-methyl |
| acyl | H | H | NH-ethyl |
| acyl | H | H | NH-acetyl |
| acyl | H | H | OH |
| acyl | H | H | OMe |
| acyl | H | H | OEt |
| acyl | H | H | O-cyclopropyl |
| acyl | H | H | O-acetyl |
| acyl | H | H | SH |
| acyl | H | H | SMe |
| acyl | H | H | SEt |
| acyl | H | H | S-cyclopropyl |
| acyl | H | H | F |
| acyl | H | H | Cl |
| acyl | H | H | Br |
| acyl | H | H | I |
| acyl | acyl | H | H |
| acyl | acyl | H | NH ₂ |
| acyl | acyl | H | NH-cyclopropyl |
| acyl | acyl | H | NH-methyl |
| acyl | acyl | H | NH-ethyl |
| acyl | acyl | H | NH-acetyl |
| acyl | acyl | H | OH |
| acyl | acyl | H | OMe |
| acyl | acyl | H | OEt |
| acyl | acyl | H | O-cyclopropyl |
| acyl | acyl | H | O-acetyl |
| acyl | acyl | H | SH |
| acyl | acyl | H | SMe |
| acyl | acyl | H | SEt |
| acyl | acyl | H | S-cyclopropyl |
| acyl | acyl | H | F |
| acyl | acyl | H | Cl |
| acyl | acyl | H | Br |
| acyl | acyl | H | I |
| acyl | amino acid | H | H |
| acyl | amino acid | H | NH ₂ |
| acyl | amino acid | H | NH-cyclopropyl |
| acyl | amino acid | H | NH-methyl |
| acyl | amino acid | H | NH-ethyl |
| acyl | amino acid | H | NH-acetyl |
| acyl | amino acid | H | OH |

| R ² | R ³ | X ¹ | Y |
|----------------|----------------|----------------|-----------------|
| acyl | amino acid | H | OMe |
| acyl | amino acid | H | OEt |
| acyl | amino acid | H | O-cyclopropyl |
| acyl | amino acid | H | O-acetyl |
| acyl | amino acid | H | SH |
| acyl | amino acid | H | SMe |
| acyl | amino acid | H | SEt |
| acyl | amino acid | H | S-cyclopropyl |
| acyl | amino acid | H | F |
| acyl | amino acid | H | Cl |
| acyl | amino acid | H | Br |
| acyl | amino acid | H | I |
| H | acyl | H | H |
| H | acyl | H | NH ₂ |
| H | acyl | H | NH-cyclopropyl |
| H | acyl | H | NH-methyl |
| H | acyl | H | NH-ethyl |
| H | acyl | H | NH-acetyl |
| H | acyl | H | OH |
| H | acyl | H | OMe |
| H | acyl | H | OEt |
| H | acyl | H | O-cyclopropyl |
| H | acyl | H | O-acetyl |
| H | acyl | H | SH |
| H | acyl | H | SMe |
| H | acyl | H | SEt |
| H | acyl | H | S-cyclopropyl |
| H | acyl | H | F |
| H | acyl | H | Cl |
| H | acyl | H | Br |
| H | acyl | H | I |
| H | amino acid | H | H |
| H | amino acid | H | NH ₂ |
| H | amino acid | H | NH-cyclopropyl |
| H | amino acid | H | NH-methyl |
| H | amino acid | H | NH-ethyl |
| H | amino acid | H | NH-acetyl |
| H | amino acid | H | OH |
| H | amino acid | H | OMe |
| H | amino acid | H | OEt |
| H | amino acid | H | O-cyclopropyl |
| H | amino acid | H | O-acetyl |
| H | amino acid | H | SH |
| H | amino acid | H | SMe |
| H | amino acid | H | SEt |
| H | amino acid | H | S-cyclopropyl |
| H | amino acid | H | F |

| R ² | R ³ | X ¹ | Y |
|----------------|----------------|----------------|-----------------|
| H | amino acid | H | Cl |
| H | amino acid | H | Br |
| H | amino acid | H | I |
| amino acid | amino acid | H | H |
| amino acid | amino acid | H | NH ₂ |
| amino acid | amino acid | H | NH-cyclopropyl |
| amino acid | amino acid | H | NH-methyl |
| amino acid | amino acid | H | NH-ethyl |
| amino acid | amino acid | H | NH-acetyl |
| amino acid | amino acid | H | OH |
| amino acid | amino acid | H | OMe |
| amino acid | amino acid | H | OEt |
| amino acid | amino acid | H | O-cyclopropyl |
| amino acid | amino acid | H | O-acetyl |
| amino acid | amino acid | H | SH |
| amino acid | amino acid | H | SMe |
| amino acid | amino acid | H | SEt |
| amino acid | amino acid | H | S-cyclopropyl |
| amino acid | amino acid | H | F |
| amino acid | amino acid | H | Cl |
| amino acid | amino acid | H | Br |
| amino acid | amino acid | H | I |
| amino acid | H | H | H |
| amino acid | H | H | NH ₂ |
| amino acid | H | H | NH-cyclopropyl |
| amino acid | H | H | NH-methyl |
| amino acid | H | H | NH-ethyl |
| amino acid | H | H | NH-acetyl |
| amino acid | H | H | OH |
| amino acid | H | H | OMe |
| amino acid | H | H | OEt |
| amino acid | H | H | O-cyclopropyl |
| amino acid | H | H | O-acetyl |
| amino acid | H | H | SH |
| amino acid | H | H | SMe |
| amino acid | H | H | SEt |
| amino acid | H | H | S-cyclopropyl |
| amino acid | H | H | F |
| amino acid | H | H | Cl |
| amino acid | H | H | Br |
| amino acid | H | H | I |
| amino acid | acyl | H | H |
| amino acid | acyl | H | NH ₂ |
| amino acid | acyl | H | NH-cyclopropyl |
| amino acid | acyl | H | NH-methyl |
| amino acid | acyl | H | NH-ethyl |
| amino acid | acyl | H | NH-acetyl |

| R ² | R ³ | X ¹ | Y |
|----------------|----------------|----------------|-----------------|
| amino acid | acyl | H | OH |
| amino acid | acyl | H | OMe |
| amino acid | acyl | H | OEt |
| amino acid | acyl | H | O-cyclopropyl |
| amino acid | acyl | H | O-acetyl |
| amino acid | acyl | H | SH |
| amino acid | acyl | H | SMe |
| amino acid | acyl | H | SEt |
| amino acid | acyl | H | S-cyclopropyl |
| amino acid | acyl | H | F |
| amino acid | acyl | H | Cl |
| amino acid | acyl | H | Br |
| amino acid | acyl | H | I |
| acyl | H | SH | H |
| acyl | H | SH | NH ₂ |
| acyl | H | SH | NH-cyclopropyl |
| acyl | H | SH | NH-methyl |
| acyl | H | SH | NH-ethyl |
| acyl | H | SH | NH-acetyl |
| acyl | H | SH | OH |
| acyl | H | SH | OMe |
| acyl | H | SH | OEt |
| acyl | H | SH | O-cyclopropyl |
| acyl | H | SH | O-acetyl |
| acyl | H | SH | SH |
| acyl | H | SH | SMe |
| acyl | H | SH | SEt |
| acyl | H | SH | S-cyclopropyl |
| acyl | H | SH | F |
| acyl | H | SH | Cl |
| acyl | H | SH | Br |
| acyl | H | SH | I |
| acyl | acyl | SH | H |
| acyl | acyl | SH | NH ₂ |
| acyl | acyl | SH | NH-cyclopropyl |
| acyl | acyl | SH | NH-methyl |
| acyl | acyl | SH | NH-ethyl |
| acyl | acyl | SH | NH-acetyl |
| acyl | acyl | SH | OH |
| acyl | acyl | SH | OMe |
| acyl | acyl | SH | OEt |
| acyl | acyl | SH | O-cyclopropyl |
| acyl | acyl | SH | O-acetyl |
| acyl | acyl | SH | SH |
| acyl | acyl | SH | SMe |
| acyl | acyl | SH | SEt |
| acyl | acyl | SH | S-cyclopropyl |

| R ² | R ³ | X ¹ | Y |
|----------------|----------------|----------------|-----------------|
| acyl | acyl | SH | F |
| acyl | acyl | SH | Cl |
| acyl | acyl | SH | Br |
| acyl | acyl | SH | I |
| acyl | amino acid | SH | H |
| acyl | amino acid | SH | NH ₂ |
| acyl | amino acid | SH | NH-cyclopropyl |
| acyl | amino acid | SH | NH-methyl |
| acyl | amino acid | SH | NH-ethyl |
| acyl | amino acid | SH | NH-acetyl |
| acyl | amino acid | SH | OH |
| acyl | amino acid | SH | OMe |
| acyl | amino acid | SH | OEt |
| acyl | amino acid | SH | O-cyclopropyl |
| acyl | amino acid | SH | O-acetyl |
| acyl | amino acid | SH | SH |
| acyl | amino acid | SH | SMe |
| acyl | amino acid | SH | SEt |
| acyl | amino acid | SH | S-cyclopropyl |
| acyl | amino acid | SH | F |
| acyl | amino acid | SH | Cl |
| acyl | amino acid | SH | Br |
| acyl | amino acid | SH | I |
| H | acyl | SH | H |
| H | acyl | SH | NH ₂ |
| H | acyl | SH | NH-cyclopropyl |
| H | acyl | SH | NH-methyl |
| H | acyl | SH | NH-ethyl |
| H | acyl | SH | NH-acetyl |
| H | acyl | SH | OH |
| H | acyl | SH | OMe |
| H | acyl | SH | OEt |
| H | acyl | SH | O-cyclopropyl |
| H | acyl | SH | O-acetyl |
| H | acyl | SH | SH |
| H | acyl | SH | SMe |
| H | acyl | SH | SEt |
| H | acyl | SH | S-cyclopropyl |
| H | acyl | SH | F |
| H | acyl | SH | Cl |
| H | acyl | SH | Br |
| H | acyl | SH | I |
| H | amino acid | SH | H |
| H | amino acid | SH | NH ₂ |
| H | amino acid | SH | NH-cyclopropyl |
| H | amino acid | SH | NH-methyl |
| H | amino acid | SH | NH-ethyl |

| R ² | R ³ | X ¹ | Y |
|----------------|----------------|----------------|-----------------|
| H | amino acid | SH | NH-acetyl |
| H | amino acid | SH | OH |
| H | amino acid | SH | OMe |
| H | amino acid | SH | OEt |
| H | amino acid | SH | O-cyclopropyl |
| H | amino acid | SH | O-acetyl |
| H | amino acid | SH | SH |
| H | amino acid | SH | SMe |
| H | amino acid | SH | SEt |
| H | amino acid | SH | S-cyclopropyl |
| H | amino acid | SH | F |
| H | amino acid | SH | Cl |
| H | amino acid | SH | Br |
| H | amino acid | SH | I |
| amino acid | amino acid | SH | H |
| amino acid | amino acid | SH | NH ₂ |
| amino acid | amino acid | SH | NH-cyclopropyl |
| amino acid | amino acid | SH | NH-methyl |
| amino acid | amino acid | SH | NH-ethyl |
| amino acid | amino acid | SH | NH-acetyl |
| amino acid | amino acid | SH | OH |
| amino acid | amino acid | SH | OMe |
| amino acid | amino acid | SH | OEt |
| amino acid | amino acid | SH | O-cyclopropyl |
| amino acid | amino acid | SH | O-acetyl |
| amino acid | amino acid | SH | SH |
| amino acid | amino acid | SH | SMe |
| amino acid | amino acid | SH | SEt |
| amino acid | amino acid | SH | S-cyclopropyl |
| amino acid | amino acid | SH | F |
| amino acid | amino acid | SH | Cl |
| amino acid | amino acid | SH | Br |
| amino acid | amino acid | SH | I |
| amino acid | H | SH | H |
| amino acid | H | SH | NH ₂ |
| amino acid | H | SH | NH-cyclopropyl |
| amino acid | H | SH | NH-methyl |
| amino acid | H | SH | NH-ethyl |
| amino acid | H | SH | NH-acetyl |
| amino acid | H | SH | OH |
| amino acid | H | SH | OMe |
| amino acid | H | SH | OEt |
| amino acid | H | SH | O-cyclopropyl |
| amino acid | H | SH | O-acetyl |
| amino acid | H | SH | SH |
| amino acid | H | SH | SMe |
| amino acid | H | SH | SEt |

| R ² | R ³ | X ¹ | Y |
|----------------|----------------|----------------|-----------------|
| amino acid | H | SH | S-cyclopropyl |
| amino acid | H | SH | F |
| amino acid | H | SH | Cl |
| amino acid | H | SH | Br |
| amino acid | H | SH | I |
| amino acid | acyl | SH | H |
| amino acid | acyl | SH | NH ₂ |
| amino acid | acyl | SH | NH-cyclopropyl |
| amino acid | acyl | SH | NH-methyl |
| amino acid | acyl | SH | NH-ethyl |
| amino acid | acyl | SH | NH-acetyl |
| amino acid | acyl | SH | OH |
| amino acid | acyl | SH | OMe |
| amino acid | acyl | SH | OEt |
| amino acid | acyl | SH | O-cyclopropyl |
| amino acid | acyl | SH | O-acetyl |
| amino acid | acyl | SH | SH |
| amino acid | acyl | SH | SMe |
| amino acid | acyl | SH | SEt |
| amino acid | acyl | SH | S-cyclopropyl |
| amino acid | acyl | SH | F |
| amino acid | acyl | SH | Cl |
| amino acid | acyl | SH | Br |
| amino acid | acyl | SH | I |
| acyl | H | Cl | H |
| acyl | H | Cl | NH ₂ |
| acyl | H | Cl | NH-cyclopropyl |
| acyl | H | Cl | NH-methyl |
| acyl | H | Cl | NH-ethyl |
| acyl | H | Cl | NH-acetyl |
| acyl | H | Cl | OH |
| acyl | H | Cl | OMe |
| acyl | H | Cl | OEt |
| acyl | H | Cl | O-cyclopropyl |
| acyl | H | Cl | O-acetyl |
| acyl | H | Cl | SH |
| acyl | H | Cl | SMe |
| acyl | H | Cl | SEt |
| acyl | H | Cl | S-cyclopropyl |
| acyl | H | Cl | F |
| acyl | H | Cl | Cl |
| acyl | H | Cl | Br |
| acyl | H | Cl | I |
| acyl | acyl | Cl | H |
| acyl | acyl | Cl | NH ₂ |
| acyl | acyl | Cl | NH-cyclopropyl |
| acyl | acyl | Cl | NH-methyl |

| R ² | R ³ | X ¹ | Y |
|----------------|----------------|----------------|-----------------|
| acyl | acyl | Cl | NH-ethyl |
| acyl | acyl | Cl | NH-acetyl |
| acyl | acyl | Cl | OH |
| acyl | acyl | Cl | OMe |
| acyl | acyl | Cl | OEt |
| acyl | acyl | Cl | O-cyclopropyl |
| acyl | acyl | Cl | O-acetyl |
| acyl | acyl | Cl | SH |
| acyl | acyl | Cl | SMe |
| acyl | acyl | Cl | SEt |
| acyl | acyl | Cl | S-cyclopropyl |
| acyl | acyl | Cl | F |
| acyl | acyl | Cl | Cl |
| acyl | acyl | Cl | Br |
| acyl | acyl | Cl | I |
| acyl | amino acid | Cl | H |
| acyl | amino acid | Cl | NH ₂ |
| acyl | amino acid | Cl | NH-cyclopropyl |
| acyl | amino acid | Cl | NH-methyl |
| acyl | amino acid | Cl | NH-ethyl |
| acyl | amino acid | Cl | NH-acetyl |
| acyl | amino acid | Cl | OH |
| acyl | amino acid | Cl | OMe |
| acyl | amino acid | Cl | OEt |
| acyl | amino acid | Cl | O-cyclopropyl |
| acyl | amino acid | Cl | O-acetyl |
| acyl | amino acid | Cl | SH |
| acyl | amino acid | Cl | SMe |
| acyl | amino acid | Cl | SEt |
| acyl | amino acid | Cl | S-cyclopropyl |
| acyl | amino acid | Cl | F |
| acyl | amino acid | Cl | Cl |
| acyl | amino acid | Cl | Br |
| acyl | amino acid | Cl | I |
| H | acyl | Cl | H |
| H | acyl | Cl | NH ₂ |
| H | acyl | Cl | NH-cyclopropyl |
| H | acyl | Cl | NH-methyl |
| H | acyl | Cl | NH-ethyl |
| H | acyl | Cl | NH-acetyl |
| H | acyl | Cl | OH |
| H | acyl | Cl | OMe |
| H | acyl | Cl | OEt |
| H | acyl | Cl | O-cyclopropyl |
| H | acyl | Cl | O-acetyl |
| H | acyl | Cl | SH |
| H | acyl | Cl | SMe |

| R ² | R ³ | X ¹ | Y |
|----------------|----------------|----------------|-----------------|
| H | acyl | Cl | SEt |
| H | acyl | Cl | S-cyclopropyl |
| H | acyl | Cl | F |
| H | acyl | Cl | Cl |
| H | acyl | Cl | Br |
| H | acyl | Cl | I |
| H | amino acid | Cl | H |
| H | amino acid | Cl | NH ₂ |
| H | amino acid | Cl | NH-cyclopropyl |
| H | amino acid | Cl | NH-methyl |
| H | amino acid | Cl | NH-ethyl |
| H | amino acid | Cl | NH-acetyl |
| H | amino acid | Cl | OH |
| H | amino acid | Cl | OMe |
| H | amino acid | Cl | OEt |
| H | amino acid | Cl | O-cyclopropyl |
| H | amino acid | Cl | O-acetyl |
| H | amino acid | Cl | SH |
| H | amino acid | Cl | SMe |
| H | amino acid | Cl | SEt |
| H | amino acid | Cl | S-cyclopropyl |
| H | amino acid | Cl | F |
| H | amino acid | Cl | Cl |
| H | amino acid | Cl | Br |
| H | amino acid | Cl | I |
| amino acid | amino acid | Cl | H |
| amino acid | amino acid | Cl | NH ₂ |
| amino acid | amino acid | Cl | NH-cyclopropyl |
| amino acid | amino acid | Cl | NH-methyl |
| amino acid | amino acid | Cl | NH-ethyl |
| amino acid | amino acid | Cl | NH-acetyl |
| amino acid | amino acid | Cl | OH |
| amino acid | amino acid | Cl | OMe |
| amino acid | amino acid | Cl | OEt |
| amino acid | amino acid | Cl | O-cyclopropyl |
| amino acid | amino acid | Cl | O-acetyl |
| amino acid | amino acid | Cl | SH |
| amino acid | amino acid | Cl | SMe |
| amino acid | amino acid | Cl | SEt |
| amino acid | amino acid | Cl | S-cyclopropyl |
| amino acid | amino acid | Cl | F |
| amino acid | amino acid | Cl | Cl |
| amino acid | amino acid | Cl | Br |
| amino acid | amino acid | Cl | I |
| amino acid | H | Cl | H |
| amino acid | H | Cl | NH ₂ |
| amino acid | H | Cl | NH-cyclopropyl |

| R ² | R ³ | X ¹ | Y |
|----------------|----------------|----------------|-----------------|
| amino acid | H | Cl | NH-methyl |
| amino acid | H | Cl | NH-ethyl |
| amino acid | H | Cl | NH-acetyl |
| amino acid | H | Cl | OH |
| amino acid | H | Cl | OMe |
| amino acid | H | Cl | OEt |
| amino acid | H | Cl | O-cyclopropyl |
| amino acid | H | Cl | O-acetyl |
| amino acid | H | Cl | SH |
| amino acid | H | Cl | SMe |
| amino acid | H | Cl | SEt |
| amino acid | H | Cl | S-cyclopropyl |
| amino acid | H | Cl | F |
| amino acid | H | Cl | Cl |
| amino acid | H | Cl | Br |
| amino acid | H | Cl | I |
| amino acid | acyl | Cl | H |
| amino acid | acyl | Cl | NH ₂ |
| amino acid | acyl | Cl | NH-cyclopropyl |
| amino acid | acyl | Cl | NH-methyl |
| amino acid | acyl | Cl | NH-ethyl |
| amino acid | acyl | Cl | NH-acetyl |
| amino acid | acyl | Cl | OH |
| amino acid | acyl | Cl | OMe |
| amino acid | acyl | Cl | OEt |
| amino acid | acyl | Cl | O-cyclopropyl |
| amino acid | acyl | Cl | O-acetyl |
| amino acid | acyl | Cl | SH |
| amino acid | acyl | Cl | SMe |
| amino acid | acyl | Cl | SEt |
| amino acid | acyl | Cl | S-cyclopropyl |
| amino acid | acyl | Cl | F |
| amino acid | acyl | Cl | Cl |
| amino acid | acyl | Cl | Br |
| amino acid | acyl | Cl | I |
| acyl | H | Br | H |
| acyl | H | Br | NH ₂ |
| acyl | H | Br | NH-cyclopropyl |
| acyl | H | Br | NH-methyl |
| acyl | H | Br | NH-ethyl |
| acyl | H | Br | NH-acetyl |
| acyl | H | Br | OH |
| acyl | H | Br | OMe |
| acyl | H | Br | OEt |
| acyl | H | Br | O-cyclopropyl |
| acyl | H | Br | O-acetyl |
| acyl | H | Br | SH |

| R ² | R ³ | X ¹ | Y |
|----------------|----------------|----------------|-----------------|
| acyl | H | Br | SMe |
| acyl | H | Br | SEt |
| acyl | H | Br | S-cyclopropyl |
| acyl | H | Br | F |
| acyl | H | Br | Cl |
| acyl | H | Br | Br |
| acyl | H | Br | I |
| acyl | acyl | Br | H |
| acyl | acyl | Br | NH ₂ |
| acyl | acyl | Br | NH-cyclopropyl |
| acyl | acyl | Br | NH-methyl |
| acyl | acyl | Br | NH-ethyl |
| acyl | acyl | Br | NH-acetyl |
| acyl | acyl | Br | OH |
| acyl | acyl | Br | OMe |
| acyl | acyl | Br | OEt |
| acyl | acyl | Br | O-cyclopropyl |
| acyl | acyl | Br | O-acetyl |
| acyl | acyl | Br | SH |
| acyl | acyl | Br | SMe |
| acyl | acyl | Br | SEt |
| acyl | acyl | Br | S-cyclopropyl |
| acyl | acyl | Br | F |
| acyl | acyl | Br | Cl |
| acyl | acyl | Br | Br |
| acyl | acyl | Br | I |
| acyl | amino acid | Br | H |
| acyl | amino acid | Br | NH ₂ |
| acyl | amino acid | Br | NH-cyclopropyl |
| acyl | amino acid | Br | NH-methyl |
| acyl | amino acid | Br | NH-ethyl |
| acyl | amino acid | Br | NH-acetyl |
| acyl | amino acid | Br | OH |
| acyl | amino acid | Br | OMe |
| acyl | amino acid | Br | OEt |
| acyl | amino acid | Br | O-cyclopropyl |
| acyl | amino acid | Br | O-acetyl |
| acyl | amino acid | Br | SH |
| acyl | amino acid | Br | SMe |
| acyl | amino acid | Br | SEt |
| acyl | amino acid | Br | S-cyclopropyl |
| acyl | amino acid | Br | F |
| acyl | amino acid | Br | Cl |
| acyl | amino acid | Br | Br |
| acyl | amino acid | Br | I |
| H | acyl | Br | H |
| H | acyl | Br | NH ₂ |

| R ² | R ³ | X ¹ | Y |
|----------------|----------------|----------------|-----------------|
| H | acyl | Br | NH-cyclopropyl |
| H | acyl | Br | NH-methyl |
| H | acyl | Br | NH-ethyl |
| H | acyl | Br | NH-acetyl |
| H | acyl | Br | OH |
| H | acyl | Br | OMe |
| H | acyl | Br | OEt |
| H | acyl | Br | O-cyclopropyl |
| H | acyl | Br | O-acetyl |
| H | acyl | Br | SH |
| H | acyl | Br | SMe |
| H | acyl | Br | SEt |
| H | acyl | Br | S-cyclopropyl |
| H | acyl | Br | F |
| H | acyl | Br | Cl |
| H | acyl | Br | Br |
| H | acyl | Br | I |
| H | amino acid | Br | H |
| H | amino acid | Br | NH ₂ |
| H | amino acid | Br | NH-cyclopropyl |
| H | amino acid | Br | NH-methyl |
| H | amino acid | Br | NH-ethyl |
| H | amino acid | Br | NH-acetyl |
| H | amino acid | Br | OH |
| H | amino acid | Br | OMe |
| H | amino acid | Br | OEt |
| H | amino acid | Br | O-cyclopropyl |
| H | amino acid | Br | O-acetyl |
| H | amino acid | Br | SH |
| H | amino acid | Br | SMe |
| H | amino acid | Br | SEt |
| H | amino acid | Br | S-cyclopropyl |
| H | amino acid | Br | F |
| H | amino acid | Br | Cl |
| H | amino acid | Br | Br |
| H | amino acid | Br | I |
| amino acid | amino acid | Br | H |
| amino acid | amino acid | Br | NH ₂ |
| amino acid | amino acid | Br | NH-cyclopropyl |
| amino acid | amino acid | Br | NH-methyl |
| amino acid | amino acid | Br | NH-ethyl |
| amino acid | amino acid | Br | NH-acetyl |
| amino acid | amino acid | Br | OH |
| amino acid | amino acid | Br | OMe |
| amino acid | amino acid | Br | OEt |
| amino acid | amino acid | Br | O-cyclopropyl |
| amino acid | amino acid | Br | O-acetyl |

| R ² | R ³ | X ¹ | Y |
|----------------|----------------|-----------------|-----------------|
| amino acid | amino acid | Br | SH |
| amino acid | amino acid | Br | SMe |
| amino acid | amino acid | Br | SEt |
| amino acid | amino acid | Br | S-cyclopropyl |
| amino acid | amino acid | Br | F |
| amino acid | amino acid | Br | Cl |
| amino acid | amino acid | Br | Br |
| amino acid | amino acid | Br | I |
| amino acid | H | Br | H |
| amino acid | H | Br | NH ₂ |
| amino acid | H | Br | NH-cyclopropyl |
| amino acid | H | Br | NH-methyl |
| amino acid | H | Br | NH-ethyl |
| amino acid | H | Br | NH-acetyl |
| amino acid | H | Br | OH |
| amino acid | H | Br | OMe |
| amino acid | H | Br | OEt |
| amino acid | H | Br | O-cyclopropyl |
| amino acid | H | Br | O-acetyl |
| amino acid | H | Br | SH |
| amino acid | H | Br | SMe |
| amino acid | H | Br | SEt |
| amino acid | H | Br | S-cyclopropyl |
| amino acid | H | Br | F |
| amino acid | H | Br | Cl |
| amino acid | H | Br | Br |
| amino acid | H | Br | I |
| amino acid | acyl | Br | H |
| amino acid | acyl | Br | NH ₂ |
| amino acid | acyl | Br | NH-cyclopropyl |
| amino acid | acyl | Br | NH-methyl |
| amino acid | acyl | Br | NH-ethyl |
| amino acid | acyl | Br | NH-acetyl |
| amino acid | acyl | Br | OH |
| amino acid | acyl | Br | OMe |
| amino acid | acyl | Br | OEt |
| amino acid | acyl | Br | O-cyclopropyl |
| amino acid | acyl | Br | O-acetyl |
| amino acid | acyl | Br | SH |
| amino acid | acyl | Br | SMe |
| amino acid | acyl | Br | SEt |
| amino acid | acyl | Br | S-cyclopropyl |
| amino acid | acyl | Br | F |
| amino acid | acyl | Br | Cl |
| amino acid | acyl | Br | Br |
| amino acid | acyl | Br | I |
| acyl | H | NH ₂ | H |

| R ² | R ³ | X ¹ | Y |
|----------------|----------------|-----------------|-----------------|
| acyl | H | NH ₂ | NH ₂ |
| acyl | H | NH ₂ | NH-cyclopropyl |
| acyl | H | NH ₂ | NH-methyl |
| acyl | H | NH ₂ | NH-ethyl |
| acyl | H | NH ₂ | NH-acetyl |
| acyl | H | NH ₂ | OH |
| acyl | H | NH ₂ | OMe |
| acyl | H | NH ₂ | OEt |
| acyl | H | NH ₂ | O-cyclopropyl |
| acyl | H | NH ₂ | O-acetyl |
| acyl | H | NH ₂ | SH |
| acyl | H | NH ₂ | SMe |
| acyl | H | NH ₂ | SEt |
| acyl | H | NH ₂ | S-cyclopropyl |
| acyl | H | NH ₂ | F |
| acyl | H | NH ₂ | Cl |
| acyl | H | NH ₂ | Br |
| acyl | H | NH ₂ | I |
| acyl | acyl | NH ₂ | H |
| acyl | acyl | NH ₂ | NH ₂ |
| acyl | acyl | NH ₂ | NH-cyclopropyl |
| acyl | acyl | NH ₂ | NH-methyl |
| acyl | acyl | NH ₂ | NH-ethyl |
| acyl | acyl | NH ₂ | NH-acetyl |
| acyl | acyl | NH ₂ | OH |
| acyl | acyl | NH ₂ | OMe |
| acyl | acyl | NH ₂ | OEt |
| acyl | acyl | NH ₂ | O-cyclopropyl |
| acyl | acyl | NH ₂ | O-acetyl |
| acyl | acyl | NH ₂ | SH |
| acyl | acyl | NH ₂ | SMe |
| acyl | acyl | NH ₂ | SEt |
| acyl | acyl | NH ₂ | S-cyclopropyl |
| acyl | acyl | NH ₂ | F |
| acyl | acyl | NH ₂ | Cl |
| acyl | acyl | NH ₂ | Br |
| acyl | acyl | NH ₂ | I |
| acyl | amino acid | NH ₂ | H |
| acyl | amino acid | NH ₂ | NH ₂ |
| acyl | amino acid | NH ₂ | NH-cyclopropyl |
| acyl | amino acid | NH ₂ | NH-methyl |
| acyl | amino acid | NH ₂ | NH-ethyl |
| acyl | amino acid | NH ₂ | NH-acetyl |
| acyl | amino acid | NH ₂ | OH |
| acyl | amino acid | NH ₂ | OMe |
| acyl | amino acid | NH ₂ | OEt |
| acyl | amino acid | NH ₂ | O-cyclopropyl |

| R ² | R ³ | X ¹ | Y |
|----------------|----------------|-----------------|-----------------|
| acyl | amino acid | NH ₂ | O-acetyl |
| acyl | amino acid | NH ₂ | SH |
| acyl | amino acid | NH ₂ | SMe |
| acyl | amino acid | NH ₂ | SEt |
| acyl | amino acid | NH ₂ | S-cyclopropyl |
| acyl | amino acid | NH ₂ | F |
| acyl | amino acid | NH ₂ | Cl |
| acyl | amino acid | NH ₂ | Br |
| acyl | amino acid | NH ₂ | I |
| H | acyl | NH ₂ | H |
| H | acyl | NH ₂ | NH ₂ |
| H | acyl | NH ₂ | NH-cyclopropyl |
| H | acyl | NH ₂ | NH-methyl |
| H | acyl | NH ₂ | NH-ethyl |
| H | acyl | NH ₂ | NH-acetyl |
| H | acyl | NH ₂ | OH |
| H | acyl | NH ₂ | OMe |
| H | acyl | NH ₂ | OEt |
| H | acyl | NH ₂ | O-cyclopropyl |
| H | acyl | NH ₂ | O-acetyl |
| H | acyl | NH ₂ | SH |
| H | acyl | NH ₂ | SMe |
| H | acyl | NH ₂ | SEt |
| H | acyl | NH ₂ | S-cyclopropyl |
| H | acyl | NH ₂ | F |
| H | acyl | NH ₂ | Cl |
| H | acyl | NH ₂ | Br |
| H | acyl | NH ₂ | I |
| H | amino acid | NH ₂ | H |
| H | amino acid | NH ₂ | NH ₂ |
| H | amino acid | NH ₂ | NH-cyclopropyl |
| H | amino acid | NH ₂ | NH-methyl |
| H | amino acid | NH ₂ | NH-ethyl |
| H | amino acid | NH ₂ | NH-acetyl |
| H | amino acid | NH ₂ | OH |
| H | amino acid | NH ₂ | OMe |
| H | amino acid | NH ₂ | OEt |
| H | amino acid | NH ₂ | O-cyclopropyl |
| H | amino acid | NH ₂ | O-acetyl |
| H | amino acid | NH ₂ | SH |
| H | amino acid | NH ₂ | SMe |
| H | amino acid | NH ₂ | SEt |
| H | amino acid | NH ₂ | S-cyclopropyl |
| H | amino acid | NH ₂ | F |
| H | amino acid | NH ₂ | Cl |
| H | amino acid | NH ₂ | Br |
| H | amino acid | NH ₂ | I |

| R ² | R ³ | X ¹ | Y |
|----------------|----------------|-----------------|-----------------|
| amino acid | amino acid | NH ₂ | H |
| amino acid | amino acid | NH ₂ | NH ₂ |
| amino acid | amino acid | NH ₂ | NH-cyclopropyl |
| amino acid | amino acid | NH ₂ | NH-methyl |
| amino acid | amino acid | NH ₂ | NH-ethyl |
| amino acid | amino acid | NH ₂ | NH-acetyl |
| amino acid | amino acid | NH ₂ | OH |
| amino acid | amino acid | NH ₂ | OMe |
| amino acid | amino acid | NH ₂ | OEt |
| amino acid | amino acid | NH ₂ | O-cyclopropyl |
| amino acid | amino acid | NH ₂ | O-acetyl |
| amino acid | amino acid | NH ₂ | SH |
| amino acid | amino acid | NH ₂ | SMe |
| amino acid | amino acid | NH ₂ | SEt |
| amino acid | amino acid | NH ₂ | S-cyclopropyl |
| amino acid | amino acid | NH ₂ | F |
| amino acid | amino acid | NH ₂ | Cl |
| amino acid | amino acid | NH ₂ | Br |
| amino acid | amino acid | NH ₂ | I |
| amino acid | H | NH ₂ | H |
| amino acid | H | NH ₂ | NH ₂ |
| amino acid | H | NH ₂ | NH-cyclopropyl |
| amino acid | H | NH ₂ | NH-methyl |
| amino acid | H | NH ₂ | NH-ethyl |
| amino acid | H | NH ₂ | NH-acetyl |
| amino acid | H | NH ₂ | OH |
| amino acid | H | NH ₂ | OMe |
| amino acid | H | NH ₂ | OEt |
| amino acid | H | NH ₂ | O-cyclopropyl |
| amino acid | H | NH ₂ | O-acetyl |
| amino acid | H | NH ₂ | SH |
| amino acid | H | NH ₂ | SMe |
| amino acid | H | NH ₂ | SEt |
| amino acid | H | NH ₂ | S-cyclopropyl |
| amino acid | H | NH ₂ | F |
| amino acid | H | NH ₂ | Cl |
| amino acid | H | NH ₂ | Br |
| amino acid | H | NH ₂ | I |
| amino acid | acyl | NH ₂ | H |
| amino acid | acyl | NH ₂ | NH ₂ |
| amino acid | acyl | NH ₂ | NH-cyclopropyl |
| amino acid | acyl | NH ₂ | NH-methyl |
| amino acid | acyl | NH ₂ | NH-ethyl |
| amino acid | acyl | NH ₂ | NH-acetyl |
| amino acid | acyl | NH ₂ | OH |
| amino acid | acyl | NH ₂ | OMe |
| amino acid | acyl | NH ₂ | OEt |

| R ² | R ³ | X ¹ | Y |
|----------------|----------------|-----------------|-----------------|
| amino acid | acyl | NH ₂ | O-cyclopropyl |
| amino acid | acyl | NH ₂ | O-acetyl |
| amino acid | acyl | NH ₂ | SH |
| amino acid | acyl | NH ₂ | SMe |
| amino acid | acyl | NH ₂ | SEt |
| amino acid | acyl | NH ₂ | S-cyclopropyl |
| amino acid | acyl | NH ₂ | F |
| amino acid | acyl | NH ₂ | Cl |
| amino acid | acyl | NH ₂ | Br |
| amino acid | acyl | NH ₂ | I |
| acyl | H | OH | H |
| acyl | H | OH | NH ₂ |
| acyl | H | OH | NH-cyclopropyl |
| acyl | H | OH | NH-methyl |
| acyl | H | OH | NH-ethyl |
| acyl | H | OH | NH-acetyl |
| acyl | H | OH | OH |
| acyl | H | OH | OMe |
| acyl | H | OH | OEt |
| acyl | H | OH | O-cyclopropyl |
| acyl | H | OH | O-acetyl |
| acyl | H | OH | SH |
| acyl | H | OH | SMe |
| acyl | H | OH | SEt |
| acyl | H | OH | S-cyclopropyl |
| acyl | H | OH | F |
| acyl | H | OH | Cl |
| acyl | H | OH | Br |
| acyl | H | OH | I |
| acyl | acyl | OH | H |
| acyl | acyl | OH | NH ₂ |
| acyl | acyl | OH | NH-cyclopropyl |
| acyl | acyl | OH | NH-methyl |
| acyl | acyl | OH | NH-ethyl |
| acyl | acyl | OH | NH-acetyl |
| acyl | acyl | OH | OH |
| acyl | acyl | OH | OMe |
| acyl | acyl | OH | OEt |
| acyl | acyl | OH | O-cyclopropyl |
| acyl | acyl | OH | O-acetyl |
| acyl | acyl | OH | SH |
| acyl | acyl | OH | SMe |
| acyl | acyl | OH | SEt |
| acyl | acyl | OH | S-cyclopropyl |
| acyl | acyl | OH | F |
| acyl | acyl | OH | Cl |
| acyl | acyl | OH | Br |

| R ² | R ³ | X ¹ | Y |
|----------------|----------------|----------------|-----------------|
| acyl | acyl | OH | I |
| acyl | amino acid | OH | H |
| acyl | amino acid | OH | NH ₂ |
| acyl | amino acid | OH | NH-cyclopropyl |
| acyl | amino acid | OH | NH-methyl |
| acyl | amino acid | OH | NH-ethyl |
| acyl | amino acid | OH | NH-acetyl |
| acyl | amino acid | OH | OH |
| acyl | amino acid | OH | OMe |
| acyl | amino acid | OH | OEt |
| acyl | amino acid | OH | O-cyclopropyl |
| acyl | amino acid | OH | O-acetyl |
| acyl | amino acid | OH | SH |
| acyl | amino acid | OH | SMe |
| acyl | amino acid | OH | SEt |
| acyl | amino acid | OH | S-cyclopropyl |
| acyl | amino acid | OH | F |
| acyl | amino acid | OH | Cl |
| acyl | amino acid | OH | Br |
| acyl | amino acid | OH | I |
| H | acyl | OH | H |
| H | acyl | OH | NH ₂ |
| H | acyl | OH | NH-cyclopropyl |
| H | acyl | OH | NH-methyl |
| H | acyl | OH | NH-ethyl |
| H | acyl | OH | NH-acetyl |
| H | acyl | OH | OH |
| H | acyl | OH | OMe |
| H | acyl | OH | OEt |
| H | acyl | OH | O-cyclopropyl |
| H | acyl | OH | O-acetyl |
| H | acyl | OH | SH |
| H | acyl | OH | SMe |
| H | acyl | OH | SEt |
| H | acyl | OH | S-cyclopropyl |
| H | acyl | OH | F |
| H | acyl | OH | Cl |
| H | acyl | OH | Br |
| H | acyl | OH | I |
| H | amino acid | OH | H |
| H | amino acid | OH | NH ₂ |
| H | amino acid | OH | NH-cyclopropyl |
| H | amino acid | OH | NH-methyl |
| H | amino acid | OH | NH-ethyl |
| H | amino acid | OH | NH-acetyl |
| H | amino acid | OH | OH |
| H | amino acid | OH | OMe |

| R ² | R ³ | X ¹ | Y |
|----------------|----------------|----------------|-----------------|
| H | amino acid | OH | OEt |
| H | amino acid | OH | O-cyclopropyl |
| H | amino acid | OH | O-acetyl |
| H | amino acid | OH | SH |
| H | amino acid | OH | SMe |
| H | amino acid | OH | SEt |
| H | amino acid | OH | S-cyclopropyl |
| H | amino acid | OH | F |
| H | amino acid | OH | Cl |
| H | amino acid | OH | Br |
| H | amino acid | OH | I |
| amino acid | amino acid | OH | H |
| amino acid | amino acid | OH | NH ₂ |
| amino acid | amino acid | OH | NH-cyclopropyl |
| amino acid | amino acid | OH | NH-methyl |
| amino acid | amino acid | OH | NH-ethyl |
| amino acid | amino acid | OH | NH-acetyl |
| amino acid | amino acid | OH | OH |
| amino acid | amino acid | OH | OMe |
| amino acid | amino acid | OH | OEt |
| amino acid | amino acid | OH | O-cyclopropyl |
| amino acid | amino acid | OH | O-acetyl |
| amino acid | amino acid | OH | SH |
| amino acid | amino acid | OH | SMe |
| amino acid | amino acid | OH | SEt |
| amino acid | amino acid | OH | S-cyclopropyl |
| amino acid | amino acid | OH | F |
| amino acid | amino acid | OH | Cl |
| amino acid | amino acid | OH | Br |
| amino acid | amino acid | OH | I |
| amino acid | H | OH | H |
| amino acid | H | OH | NH ₂ |
| amino acid | H | OH | NH-cyclopropyl |
| amino acid | H | OH | NH-methyl |
| amino acid | H | OH | NH-ethyl |
| amino acid | H | OH | NH-acetyl |
| amino acid | H | OH | OH |
| amino acid | H | OH | OMe |
| amino acid | H | OH | OEt |
| amino acid | H | OH | O-cyclopropyl |
| amino acid | H | OH | O-acetyl |
| amino acid | H | OH | SH |
| amino acid | H | OH | SMe |
| amino acid | H | OH | SEt |
| amino acid | H | OH | S-cyclopropyl |
| amino acid | H | OH | F |
| amino acid | H | OH | Cl |

| R ² | R ³ | X ¹ | Y |
|----------------|----------------|----------------|-----------------|
| amino acid | H | OH | Br |
| amino acid | H | OH | I |
| amino acid | acyl | OH | H |
| amino acid | acyl | OH | NH ₂ |
| amino acid | acyl | OH | NH-cyclopropyl |
| amino acid | acyl | OH | NH-methyl |
| amino acid | acyl | OH | NH-ethyl |
| amino acid | acyl | OH | NH-acetyl |
| amino acid | acyl | OH | OH |
| amino acid | acyl | OH | OMe |
| amino acid | acyl | OH | OEt |
| amino acid | acyl | OH | O-cyclopropyl |
| amino acid | acyl | OH | O-acetyl |
| amino acid | acyl | OH | SH |
| amino acid | acyl | OH | SMe |
| amino acid | acyl | OH | SEt |
| amino acid | acyl | OH | S-cyclopropyl |
| amino acid | acyl | OH | F |
| amino acid | acyl | OH | Cl |
| amino acid | acyl | OH | Br |
| amino acid | acyl | OH | I |
| acyl | H | F | H |
| acyl | H | F | NH ₂ |
| acyl | H | F | NH-cyclopropyl |
| acyl | H | F | NH-methyl |
| acyl | H | F | NH-ethyl |
| acyl | H | F | NH-acetyl |
| acyl | H | F | OH |
| acyl | H | F | OMe |
| acyl | H | F | OEt |
| acyl | H | F | O-cyclopropyl |
| acyl | H | F | O-acetyl |
| acyl | H | F | SH |
| acyl | H | F | SMe |
| acyl | H | F | SEt |
| acyl | H | F | S-cyclopropyl |
| acyl | H | F | F |
| acyl | H | F | Cl |
| acyl | H | F | Br |
| acyl | H | F | I |
| acyl | acyl | F | H |
| acyl | acyl | F | NH ₂ |
| acyl | acyl | F | NH-cyclopropyl |
| acyl | acyl | F | NH-methyl |
| acyl | acyl | F | NH-ethyl |
| acyl | acyl | F | NH-acetyl |
| acyl | acyl | F | OH |

| R ² | R ³ | X ¹ | Y |
|----------------|----------------|----------------|-----------------|
| acyl | acyl | F | OMe |
| acyl | acyl | F | OEt |
| acyl | acyl | F | O-cyclopropyl |
| acyl | acyl | F | O-acetyl |
| acyl | acyl | F | SH |
| acyl | acyl | F | SMe |
| acyl | acyl | F | SEt |
| acyl | acyl | F | S-cyclopropyl |
| acyl | acyl | F | F |
| acyl | acyl | F | Cl |
| acyl | acyl | F | Br |
| acyl | acyl | F | I |
| acyl | amino acid | F | H |
| acyl | amino acid | F | NH ₂ |
| acyl | amino acid | F | NH-cyclopropyl |
| acyl | amino acid | F | NH-methyl |
| acyl | amino acid | F | NH-ethyl |
| acyl | amino acid | F | NH-acetyl |
| acyl | amino acid | F | OH |
| acyl | amino acid | F | OMe |
| acyl | amino acid | F | OEt |
| acyl | amino acid | F | O-cyclopropyl |
| acyl | amino acid | F | O-acetyl |
| acyl | amino acid | F | SH |
| acyl | amino acid | F | SMe |
| acyl | amino acid | F | SEt |
| acyl | amino acid | F | S-cyclopropyl |
| acyl | amino acid | F | F |
| acyl | amino acid | F | Cl |
| acyl | amino acid | F | Br |
| acyl | amino acid | F | I |
| H | acyl | F | H |
| H | acyl | F | NH ₂ |
| H | acyl | F | NH-cyclopropyl |
| H | acyl | F | NH-methyl |
| H | acyl | F | NH-ethyl |
| H | acyl | F | NH-acetyl |
| H | acyl | F | OH |
| H | acyl | F | OMe |
| H | acyl | F | OEt |
| H | acyl | F | O-cyclopropyl |
| H | acyl | F | O-acetyl |
| H | acyl | F | SH |
| H | acyl | F | SMe |
| H | acyl | F | SEt |
| H | acyl | F | S-cyclopropyl |
| H | acyl | F | F |

| R ² | R ³ | X ¹ | Y |
|----------------|----------------|----------------|-----------------|
| H | acyl | F | Cl |
| H | acyl | F | Br |
| H | acyl | F | I |
| H | amino acid | F | H |
| H | amino acid | F | NH ₂ |
| H | amino acid | F | NH-cyclopropyl |
| H | amino acid | F | NH-methyl |
| H | amino acid | F | NH-ethyl |
| H | amino acid | F | NH-acetyl |
| H | amino acid | F | OH |
| H | amino acid | F | OMe |
| H | amino acid | F | OEt |
| H | amino acid | F | O-cyclopropyl |
| H | amino acid | F | O-acetyl |
| H | amino acid | F | SH |
| H | amino acid | F | SMe |
| H | amino acid | F | SEt |
| H | amino acid | F | S-cyclopropyl |
| H | amino acid | F | F |
| H | amino acid | F | Cl |
| H | amino acid | F | Br |
| H | amino acid | F | I |
| amino acid | amino acid | F | H |
| amino acid | amino acid | F | NH ₂ |
| amino acid | amino acid | F | NH-cyclopropyl |
| amino acid | amino acid | F | NH-methyl |
| amino acid | amino acid | F | NH-ethyl |
| amino acid | amino acid | F | NH-acetyl |
| amino acid | amino acid | F | OH |
| amino acid | amino acid | F | OMe |
| amino acid | amino acid | F | OEt |
| amino acid | amino acid | F | O-cyclopropyl |
| amino acid | amino acid | F | O-acetyl |
| amino acid | amino acid | F | SH |
| amino acid | amino acid | F | SMe |
| amino acid | amino acid | F | SEt |
| amino acid | amino acid | F | S-cyclopropyl |
| amino acid | amino acid | F | F |
| amino acid | amino acid | F | Cl |
| amino acid | amino acid | F | Br |
| amino acid | amino acid | F | I |
| amino acid | H | F | H |
| amino acid | H | F | NH ₂ |
| amino acid | H | F | NH-cyclopropyl |
| amino acid | H | F | NH-methyl |
| amino acid | H | F | NH-ethyl |
| amino acid | H | F | NH-acetyl |

| R ² | R ³ | X ¹ | Y |
|----------------|----------------|----------------|-----------------|
| amino acid | H | F | OH |
| amino acid | H | F | OMe |
| amino acid | H | F | OEt |
| amino acid | H | F | O-cyclopropyl |
| amino acid | H | F | O-acetyl |
| amino acid | H | F | SH |
| amino acid | H | F | SMe |
| amino acid | H | F | SEt |
| amino acid | H | F | S-cyclopropyl |
| amino acid | H | F | F |
| amino acid | H | F | Cl |
| amino acid | H | F | Br |
| amino acid | H | F | I |
| amino acid | acyl | F | H |
| amino acid | acyl | F | NH ₂ |
| amino acid | acyl | F | NH-cyclopropyl |
| amino acid | acyl | F | NH-methyl |
| amino acid | acyl | F | NH-ethyl |
| amino acid | acyl | F | NH-acetyl |
| amino acid | acyl | F | OH |
| amino acid | acyl | F | OMe |
| amino acid | acyl | F | OEt |
| amino acid | acyl | F | O-cyclopropyl |
| amino acid | acyl | F | O-acetyl |
| amino acid | acyl | F | SH |
| amino acid | acyl | F | SMe |
| amino acid | acyl | F | SEt |
| amino acid | acyl | F | S-cyclopropyl |
| amino acid | acyl | F | F |
| amino acid | acyl | F | Cl |
| amino acid | acyl | F | Br |
| amino acid | acyl | F | I |
| acyl | H | I | H |
| acyl | H | I | NH ₂ |
| acyl | H | I | NH-cyclopropyl |
| acyl | H | I | NH-methyl |
| acyl | H | I | NH-ethyl |
| acyl | H | I | NH-acetyl |
| acyl | H | I | OH |
| acyl | H | I | OMe |
| acyl | H | I | OEt |
| acyl | H | I | O-cyclopropyl |
| acyl | H | I | O-acetyl |
| acyl | H | I | SH |
| acyl | H | I | SMe |
| acyl | H | I | SEt |
| acyl | H | I | S-cyclopropyl |

| R ² | R ³ | X ¹ | Y |
|----------------|----------------|----------------|-----------------|
| acyl | H | I | F |
| acyl | H | I | Cl |
| acyl | H | I | Br |
| acyl | H | I | I |
| acyl | acyl | I | H |
| acyl | acyl | I | NH ₂ |
| acyl | acyl | I | NH-cyclopropyl |
| acyl | acyl | I | NH-methyl |
| acyl | acyl | I | NH-ethyl |
| acyl | acyl | I | NH-acetyl |
| acyl | acyl | I | OH |
| acyl | acyl | I | OMe |
| acyl | acyl | I | OEt |
| acyl | acyl | I | O-cyclopropyl |
| acyl | acyl | I | O-acetyl |
| acyl | acyl | I | SH |
| acyl | acyl | I | SMe |
| acyl | acyl | I | SEt |
| acyl | acyl | I | S-cyclopropyl |
| acyl | acyl | I | F |
| acyl | acyl | I | Cl |
| acyl | acyl | I | Br |
| acyl | acyl | I | I |
| acyl | amino acid | I | H |
| acyl | amino acid | I | NH ₂ |
| acyl | amino acid | I | NH-cyclopropyl |
| acyl | amino acid | I | NH-methyl |
| acyl | amino acid | I | NH-ethyl |
| acyl | amino acid | I | NH-acetyl |
| acyl | amino acid | I | OH |
| acyl | amino acid | I | OMe |
| acyl | amino acid | I | OEt |
| acyl | amino acid | I | O-cyclopropyl |
| acyl | amino acid | I | O-acetyl |
| acyl | amino acid | I | SH |
| acyl | amino acid | I | SMe |
| acyl | amino acid | I | SEt |
| acyl | amino acid | I | S-cyclopropyl |
| acyl | amino acid | I | F |
| acyl | amino acid | I | Cl |
| acyl | amino acid | I | Br |
| acyl | amino acid | I | I |
| H | acyl | I | H |
| H | acyl | I | NH ₂ |
| H | acyl | I | NH-cyclopropyl |
| H | acyl | I | NH-methyl |
| H | acyl | I | NH-ethyl |

| R ² | R ³ | X ¹ | Y |
|----------------|----------------|----------------|-----------------|
| H | acyl | I | NH-acetyl |
| H | acyl | I | OH |
| H | acyl | I | OMe |
| H | acyl | I | OEt |
| H | acyl | I | O-cyclopropyl |
| H | acyl | I | O-acetyl |
| H | acyl | I | SH |
| H | acyl | I | SMe |
| H | acyl | I | SEt |
| H | acyl | I | S-cyclopropyl |
| H | acyl | I | F |
| H | acyl | I | Cl |
| H | acyl | I | Br |
| H | acyl | I | I |
| H | amino acid | I | H |
| H | amino acid | I | NH ₂ |
| H | amino acid | I | NH-cyclopropyl |
| H | amino acid | I | NH-methyl |
| H | amino acid | I | NH-ethyl |
| H | amino acid | I | NH-acetyl |
| H | amino acid | I | OH |
| H | amino acid | I | OMe |
| H | amino acid | I | OEt |
| H | amino acid | I | O-cyclopropyl |
| H | amino acid | I | O-acetyl |
| H | amino acid | I | SH |
| H | amino acid | I | SMe |
| H | amino acid | I | SEt |
| H | amino acid | I | S-cyclopropyl |
| H | amino acid | I | F |
| H | amino acid | I | Cl |
| H | amino acid | I | Br |
| H | amino acid | I | I |
| amino acid | amino acid | I | H |
| amino acid | amino acid | I | NH ₂ |
| amino acid | amino acid | I | NH-cyclopropyl |
| amino acid | amino acid | I | NH-methyl |
| amino acid | amino acid | I | NH-ethyl |
| amino acid | amino acid | I | NH-acetyl |
| amino acid | amino acid | I | OH |
| amino acid | amino acid | I | OMe |
| amino acid | amino acid | I | OEt |
| amino acid | amino acid | I | O-cyclopropyl |
| amino acid | amino acid | I | O-acetyl |
| amino acid | amino acid | I | SH |
| amino acid | amino acid | I | SMe |
| amino acid | amino acid | I | SEt |

| R ² | R ³ | X ¹ | Y |
|----------------|----------------|----------------|-----------------|
| amino acid | amino acid | I | S-cyclopropyl |
| amino acid | amino acid | I | F |
| amino acid | amino acid | I | Cl |
| amino acid | amino acid | I | Br |
| amino acid | amino acid | I | I |
| amino acid | H | I | H |
| amino acid | H | I | NH ₂ |
| amino acid | H | I | NH-cyclopropyl |
| amino acid | H | I | NH-methyl |
| amino acid | H | I | NH-ethyl |
| amino acid | H | I | NH-acetyl |
| amino acid | H | I | OH |
| amino acid | H | I | OMe |
| amino acid | H | I | OEt |
| amino acid | H | I | O-cyclopropyl |
| amino acid | H | I | O-acetyl |
| amino acid | H | I | SH |
| amino acid | H | I | SMe |
| amino acid | H | I | SEt |
| amino acid | H | I | S-cyclopropyl |
| amino acid | H | I | F |
| amino acid | H | I | Cl |
| amino acid | H | I | Br |
| amino acid | H | I | I |
| amino acid | acyl | I | H |
| amino acid | acyl | I | NH ₂ |
| amino acid | acyl | I | NH-cyclopropyl |
| amino acid | acyl | I | NH-methyl |
| amino acid | acyl | I | NH-ethyl |
| amino acid | acyl | I | NH-acetyl |
| amino acid | acyl | I | OH |
| amino acid | acyl | I | OMe |
| amino acid | acyl | I | OEt |
| amino acid | acyl | I | O-cyclopropyl |
| amino acid | acyl | I | O-acetyl |
| amino acid | acyl | I | SH |
| amino acid | acyl | I | SMe |
| amino acid | acyl | I | SEt |
| amino acid | acyl | I | S-cyclopropyl |
| amino acid | acyl | I | F |
| amino acid | acyl | I | Cl |
| amino acid | acyl | I | Br |
| amino acid | acyl | I | I |

Table 20

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| acyl | H | H | H | H |
| acyl | H | H | H | NH ₂ |
| acyl | H | H | H | NH-cyclopropyl |
| acyl | H | H | H | NH-methyl |
| acyl | H | H | H | NH-ethyl |
| acyl | H | H | H | NH-acetyl |
| acyl | H | H | H | OH |
| acyl | H | H | H | OMe |
| acyl | H | H | H | OEt |
| acyl | H | H | H | O-cyclopropyl |
| acyl | H | H | H | O-acetyl |
| acyl | H | H | H | SH |
| acyl | H | H | H | SMe |
| acyl | H | H | H | SEt |
| acyl | H | H | H | S-cyclopropyl |
| acyl | H | H | H | F |
| acyl | H | H | H | Cl |
| acyl | H | H | H | Br |
| acyl | H | H | H | I |
| acyl | acyl | H | H | H |
| acyl | acyl | H | H | NH ₂ |
| acyl | acyl | H | H | NH-cyclopropyl |
| acyl | acyl | H | H | NH-methyl |
| acyl | acyl | H | H | NH-ethyl |
| acyl | acyl | H | H | NH-acetyl |
| acyl | acyl | H | H | OH |
| acyl | acyl | H | H | OMe |
| acyl | acyl | H | H | OEt |
| acyl | acyl | H | H | O-cyclopropyl |
| acyl | acyl | H | H | O-acetyl |
| acyl | acyl | H | H | SH |
| acyl | acyl | H | H | SMe |
| acyl | acyl | H | H | SEt |
| acyl | acyl | H | H | S-cyclopropyl |
| acyl | acyl | H | H | F |
| acyl | acyl | H | H | Cl |
| acyl | acyl | H | H | Br |
| acyl | acyl | H | H | I |
| acyl | amino acid | H | H | H |
| acyl | amino acid | H | H | NH ₂ |
| acyl | amino acid | H | H | NH-cyclopropyl |
| acyl | amino acid | H | H | NH-methyl |
| acyl | amino acid | H | H | NH-ethyl |
| acyl | amino acid | H | H | NH-acetyl |
| acyl | amino acid | H | H | OH |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| acyl | amino acid | H | H | OMe |
| acyl | amino acid | H | H | OEt |
| acyl | amino acid | H | H | O-cyclopropyl |
| acyl | amino acid | H | H | O-acetyl |
| acyl | amino acid | H | H | SH |
| acyl | amino acid | H | H | SMe |
| acyl | amino acid | H | H | SEt |
| acyl | amino acid | H | H | S-cyclopropyl |
| acyl | amino acid | H | H | F |
| acyl | amino acid | H | H | Cl |
| acyl | amino acid | H | H | Br |
| acyl | amino acid | H | H | I |
| H | acyl | H | H | H |
| H | acyl | H | H | NH ₂ |
| H | acyl | H | H | NH-cyclopropyl |
| H | acyl | H | H | NH-methyl |
| H | acyl | H | H | NH-ethyl |
| H | acyl | H | H | NH-acetyl |
| H | acyl | H | H | OH |
| H | acyl | H | H | OMe |
| H | acyl | H | H | OEt |
| H | acyl | H | H | O-cyclopropyl |
| H | acyl | H | H | O-acetyl |
| H | acyl | H | H | SH |
| H | acyl | H | H | SMe |
| H | acyl | H | H | SEt |
| H | acyl | H | H | S-cyclopropyl |
| H | acyl | H | H | F |
| H | acyl | H | H | Cl |
| H | acyl | H | H | Br |
| H | acyl | H | H | I |
| H | amino acid | H | H | H |
| H | amino acid | H | H | NH ₂ |
| H | amino acid | H | H | NH-cyclopropyl |
| H | amino acid | H | H | NH-methyl |
| H | amino acid | H | H | NH-ethyl |
| H | amino acid | H | H | NH-acetyl |
| H | amino acid | H | H | OH |
| H | amino acid | H | H | OMe |
| H | amino acid | H | H | OEt |
| H | amino acid | H | H | O-cyclopropyl |
| H | amino acid | H | H | O-acetyl |
| H | amino acid | H | H | SH |
| H | amino acid | H | H | SMe |
| H | amino acid | H | H | SEt |
| H | amino acid | H | H | S-cyclopropyl |
| H | amino acid | H | H | F |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| H | amino acid | H | H | Cl |
| H | amino acid | H | H | Br |
| H | amino acid | H | H | I |
| amino acid | amino acid | H | H | H |
| amino acid | amino acid | H | H | NH ₂ |
| amino acid | amino acid | H | H | NH-cyclopropyl |
| amino acid | amino acid | H | H | NH-methyl |
| amino acid | amino acid | H | H | NH-ethyl |
| amino acid | amino acid | H | H | NH-acetyl |
| amino acid | amino acid | H | H | OH |
| amino acid | amino acid | H | H | OMe |
| amino acid | amino acid | H | H | OEt |
| amino acid | amino acid | H | H | O-cyclopropyl |
| amino acid | amino acid | H | H | O-acetyl |
| amino acid | amino acid | H | H | SH |
| amino acid | amino acid | H | H | SMe |
| amino acid | amino acid | H | H | SEt |
| amino acid | amino acid | H | H | S-cyclopropyl |
| amino acid | amino acid | H | H | F |
| amino acid | amino acid | H | H | Cl |
| amino acid | amino acid | H | H | Br |
| amino acid | amino acid | H | H | I |
| amino acid | H | H | H | H |
| amino acid | H | H | H | NH ₂ |
| amino acid | H | H | H | NH-cyclopropyl |
| amino acid | H | H | H | NH-methyl |
| amino acid | H | H | H | NH-ethyl |
| amino acid | H | H | H | NH-acetyl |
| amino acid | H | H | H | OH |
| amino acid | H | H | H | OMe |
| amino acid | H | H | H | OEt |
| amino acid | H | H | H | O-cyclopropyl |
| amino acid | H | H | H | O-acetyl |
| amino acid | H | H | H | SH |
| amino acid | H | H | H | SMe |
| amino acid | H | H | H | SEt |
| amino acid | H | H | H | S-cyclopropyl |
| amino acid | H | H | H | F |
| amino acid | H | H | H | Cl |
| amino acid | H | H | H | Br |
| amino acid | H | H | H | I |
| amino acid | acyl | H | H | H |
| amino acid | acyl | H | H | NH ₂ |
| amino acid | acyl | H | H | NH-cyclopropyl |
| amino acid | acyl | H | H | NH-methyl |
| amino acid | acyl | H | H | NH-ethyl |
| amino acid | acyl | H | H | NH-acetyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| amino acid | acyl | H | H | OH |
| amino acid | acyl | H | H | OMe |
| amino acid | acyl | H | H | OEt |
| amino acid | acyl | H | H | O-cyclopropyl |
| amino acid | acyl | H | H | O-acetyl |
| amino acid | acyl | H | H | SH |
| amino acid | acyl | H | H | SMe |
| amino acid | acyl | H | H | SEt |
| amino acid | acyl | H | H | S-cyclopropyl |
| amino acid | acyl | H | H | F |
| amino acid | acyl | H | H | Cl |
| amino acid | acyl | H | H | Br |
| amino acid | acyl | H | H | I |
| acyl | H | F | H | H |
| acyl | H | F | H | NH ₂ |
| acyl | H | F | H | NH-cyclopropyl |
| acyl | H | F | H | NH-methyl |
| acyl | H | F | H | NH-ethyl |
| acyl | H | F | H | NH-acetyl |
| acyl | H | F | H | OH |
| acyl | H | F | H | OMe |
| acyl | H | F | H | OEt |
| acyl | H | F | H | O-cyclopropyl |
| acyl | H | F | H | O-acetyl |
| acyl | H | F | H | SH |
| acyl | H | F | H | SMe |
| acyl | H | F | H | SEt |
| acyl | H | F | H | S-cyclopropyl |
| acyl | H | F | H | F |
| acyl | H | F | H | Cl |
| acyl | H | F | H | Br |
| acyl | H | F | H | I |
| acyl | acyl | F | H | H |
| acyl | acyl | F | H | NH ₂ |
| acyl | acyl | F | H | NH-cyclopropyl |
| acyl | acyl | F | H | NH-methyl |
| acyl | acyl | F | H | NH-ethyl |
| acyl | acyl | F | H | NH-acetyl |
| acyl | acyl | F | H | OH |
| acyl | acyl | F | H | OMe |
| acyl | acyl | F | H | OEt |
| acyl | acyl | F | H | O-cyclopropyl |
| acyl | acyl | F | H | O-acetyl |
| acyl | acyl | F | H | SH |
| acyl | acyl | F | H | SMe |
| acyl | acyl | F | H | SEt |
| acyl | acyl | F | H | S-cyclopropyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| acyl | acyl | F | H | F |
| acyl | acyl | F | H | Cl |
| acyl | acyl | F | H | Br |
| acyl | acyl | F | H | I |
| acyl | amino acid | F | H | H |
| acyl | amino acid | F | H | NH ₂ |
| acyl | amino acid | F | H | NH-cyclopropyl |
| acyl | amino acid | F | H | NH-methyl |
| acyl | amino acid | F | H | NH-ethyl |
| acyl | amino acid | F | H | NH-acetyl |
| acyl | amino acid | F | H | OH |
| acyl | amino acid | F | H | OMe |
| acyl | amino acid | F | H | OEt |
| acyl | amino acid | F | H | O-cyclopropyl |
| acyl | amino acid | F | H | O-acetyl |
| acyl | amino acid | F | H | SH |
| acyl | amino acid | F | H | SMe |
| acyl | amino acid | F | H | SEt |
| acyl | amino acid | F | H | S-cyclopropyl |
| acyl | amino acid | F | H | F |
| acyl | amino acid | F | H | Cl |
| acyl | amino acid | F | H | Br |
| acyl | amino acid | F | H | I |
| H | acyl | F | H | H |
| H | acyl | F | H | NH ₂ |
| H | acyl | F | H | NH-cyclopropyl |
| H | acyl | F | H | NH-methyl |
| H | acyl | F | H | NH-ethyl |
| H | acyl | F | H | NH-acetyl |
| H | acyl | F | H | OH |
| H | acyl | F | H | OMe |
| H | acyl | F | H | OEt |
| H | acyl | F | H | O-cyclopropyl |
| H | acyl | F | H | O-acetyl |
| H | acyl | F | H | SH |
| H | acyl | F | H | SMe |
| H | acyl | F | H | SEt |
| H | acyl | F | H | S-cyclopropyl |
| H | acyl | F | H | F |
| H | acyl | F | H | Cl |
| H | acyl | F | H | Br |
| H | acyl | F | H | I |
| H | amino acid | F | H | H |
| H | amino acid | F | H | NH ₂ |
| H | amino acid | F | H | NH-cyclopropyl |
| H | amino acid | F | H | NH-methyl |
| H | amino acid | F | H | NH-ethyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| H | amino acid | F | H | NH-acetyl |
| H | amino acid | F | H | OH |
| H | amino acid | F | H | OMe |
| H | amino acid | F | H | OEt |
| H | amino acid | F | H | O-cyclopropyl |
| H | amino acid | F | H | O-acetyl |
| H | amino acid | F | H | SH |
| H | amino acid | F | H | SMe |
| H | amino acid | F | H | SEt |
| H | amino acid | F | H | S-cyclopropyl |
| H | amino acid | F | H | F |
| H | amino acid | F | H | Cl |
| H | amino acid | F | H | Br |
| H | amino acid | F | H | I |
| amino acid | amino acid | F | H | H |
| amino acid | amino acid | F | H | NH ₂ |
| amino acid | amino acid | F | H | NH-cyclopropyl |
| amino acid | amino acid | F | H | NH-methyl |
| amino acid | amino acid | F | H | NH-ethyl |
| amino acid | amino acid | F | H | NH-acetyl |
| amino acid | amino acid | F | H | OH |
| amino acid | amino acid | F | H | OMe |
| amino acid | amino acid | F | H | OEt |
| amino acid | amino acid | F | H | O-cyclopropyl |
| amino acid | amino acid | F | H | O-acetyl |
| amino acid | amino acid | F | H | SH |
| amino acid | amino acid | F | H | SMe |
| amino acid | amino acid | F | H | SEt |
| amino acid | amino acid | F | H | S-cyclopropyl |
| amino acid | amino acid | F | H | F |
| amino acid | amino acid | F | H | Cl |
| amino acid | amino acid | F | H | Br |
| amino acid | amino acid | F | H | I |
| amino acid | H | F | H | H |
| amino acid | H | F | H | NH ₂ |
| amino acid | H | F | H | NH-cyclopropyl |
| amino acid | H | F | H | NH-methyl |
| amino acid | H | F | H | NH-ethyl |
| amino acid | H | F | H | NH-acetyl |
| amino acid | H | F | H | OH |
| amino acid | H | F | H | OMe |
| amino acid | H | F | H | OEt |
| amino acid | H | F | H | O-cyclopropyl |
| amino acid | H | F | H | O-acetyl |
| amino acid | H | F | H | SH |
| amino acid | H | F | H | SMe |
| amino acid | H | F | H | SEt |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| amino acid | H | F | H | S-cyclopropyl |
| amino acid | H | F | H | F |
| amino acid | H | F | H | Cl |
| amino acid | H | F | H | Br |
| amino acid | H | F | H | I |
| amino acid | acyl | F | H | H |
| amino acid | acyl | F | H | NH ₂ |
| amino acid | acyl | F | H | NH-cyclopropyl |
| amino acid | acyl | F | H | NH-methyl |
| amino acid | acyl | F | H | NH-ethyl |
| amino acid | acyl | F | H | NH-acetyl |
| amino acid | acyl | F | H | OH |
| amino acid | acyl | F | H | OMe |
| amino acid | acyl | F | H | OEt |
| amino acid | acyl | F | H | O-cyclopropyl |
| amino acid | acyl | F | H | O-acetyl |
| amino acid | acyl | F | H | SH |
| amino acid | acyl | F | H | SMe |
| amino acid | acyl | F | H | SEt |
| amino acid | acyl | F | H | S-cyclopropyl |
| amino acid | acyl | F | H | F |
| amino acid | acyl | F | H | Cl |
| amino acid | acyl | F | H | Br |
| amino acid | acyl | F | H | I |
| acyl | H | H | F | H |
| acyl | H | H | F | NH ₂ |
| acyl | H | H | F | NH-cyclopropyl |
| acyl | H | H | F | NH-methyl |
| acyl | H | H | F | NH-ethyl |
| acyl | H | H | F | NH-acetyl |
| acyl | H | H | F | OH |
| acyl | H | H | F | OMe |
| acyl | H | H | F | OEt |
| acyl | H | H | F | O-cyclopropyl |
| acyl | H | H | F | O-acetyl |
| acyl | H | H | F | SH |
| acyl | H | H | F | SMe |
| acyl | H | H | F | SEt |
| acyl | H | H | F | S-cyclopropyl |
| acyl | H | H | F | F |
| acyl | H | H | F | Cl |
| acyl | H | H | F | Br |
| acyl | H | H | F | I |
| acyl | acyl | H | F | H |
| acyl | acyl | H | F | NH ₂ |
| acyl | acyl | H | F | NH-cyclopropyl |
| acyl | acyl | H | F | NH-methyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| acyl | acyl | H | F | NH-ethyl |
| acyl | acyl | H | F | NH-acetyl |
| acyl | acyl | H | F | OH |
| acyl | acyl | H | F | OMe |
| acyl | acyl | H | F | OEt |
| acyl | acyl | H | F | O-cyclopropyl |
| acyl | acyl | H | F | O-acetyl |
| acyl | acyl | H | F | SH |
| acyl | acyl | H | F | SMe |
| acyl | acyl | H | F | SEt |
| acyl | acyl | H | F | S-cyclopropyl |
| acyl | acyl | H | F | F |
| acyl | acyl | H | F | Cl |
| acyl | acyl | H | F | Br |
| acyl | acyl | H | F | I |
| acyl | amino acid | H | F | H |
| acyl | amino acid | H | F | NH ₂ |
| acyl | amino acid | H | F | NH-cyclopropyl |
| acyl | amino acid | H | F | NH-methyl |
| acyl | amino acid | H | F | NH-ethyl |
| acyl | amino acid | H | F | NH-acetyl |
| acyl | amino acid | H | F | OH |
| acyl | amino acid | H | F | OMe |
| acyl | amino acid | H | F | OEt |
| acyl | amino acid | H | F | O-cyclopropyl |
| acyl | amino acid | H | F | O-acetyl |
| acyl | amino acid | H | F | SH |
| acyl | amino acid | H | F | SMe |
| acyl | amino acid | H | F | SEt |
| acyl | amino acid | H | F | S-cyclopropyl |
| acyl | amino acid | H | F | F |
| acyl | amino acid | H | F | Cl |
| acyl | amino acid | H | F | Br |
| acyl | amino acid | H | F | I |
| H | acyl | H | F | H |
| H | acyl | H | F | NH ₂ |
| H | acyl | H | F | NH-cyclopropyl |
| H | acyl | H | F | NH-methyl |
| H | acyl | H | F | NH-ethyl |
| H | acyl | H | F | NH-acetyl |
| H | acyl | H | F | OH |
| H | acyl | H | F | OMe |
| H | acyl | H | F | OEt |
| H | acyl | H | F | O-cyclopropyl |
| H | acyl | H | F | O-acetyl |
| H | acyl | H | F | SH |
| H | acyl | H | F | SMe |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| H | acyl | H | F | SEt |
| H | acyl | H | F | S-cyclopropyl |
| H | acyl | H | F | F |
| H | acyl | H | F | Cl |
| H | acyl | H | F | Br |
| H | acyl | H | F | I |
| H | amino acid | H | F | H |
| H | amino acid | H | F | NH ₂ |
| H | amino acid | H | F | NH-cyclopropyl |
| H | amino acid | H | F | NH-methyl |
| H | amino acid | H | F | NH-ethyl |
| H | amino acid | H | F | NH-acetyl |
| H | amino acid | H | F | OH |
| H | amino acid | H | F | OMe |
| H | amino acid | H | F | OEt |
| H | amino acid | H | F | O-cyclopropyl |
| H | amino acid | H | F | O-acetyl |
| H | amino acid | H | F | SH |
| H | amino acid | H | F | SMe |
| H | amino acid | H | F | SEt |
| H | amino acid | H | F | S-cyclopropyl |
| H | amino acid | H | F | F |
| H | amino acid | H | F | Cl |
| H | amino acid | H | F | Br |
| H | amino acid | H | F | I |
| amino acid | amino acid | H | F | H |
| amino acid | amino acid | H | F | NH ₂ |
| amino acid | amino acid | H | F | NH-cyclopropyl |
| amino acid | amino acid | H | F | NH-methyl |
| amino acid | amino acid | H | F | NH-ethyl |
| amino acid | amino acid | H | F | NH-acetyl |
| amino acid | amino acid | H | F | OH |
| amino acid | amino acid | H | F | OMe |
| amino acid | amino acid | H | F | OEt |
| amino acid | amino acid | H | F | O-cyclopropyl |
| amino acid | amino acid | H | F | O-acetyl |
| amino acid | amino acid | H | F | SH |
| amino acid | amino acid | H | F | SMe |
| amino acid | amino acid | H | F | SEt |
| amino acid | amino acid | H | F | S-cyclopropyl |
| amino acid | amino acid | H | F | F |
| amino acid | amino acid | H | F | Cl |
| amino acid | amino acid | H | F | Br |
| amino acid | amino acid | H | F | I |
| amino acid | H | H | F | H |
| amino acid | H | H | F | NH ₂ |
| amino acid | H | H | F | NH-cyclopropyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|-----------------|----------------|-----------------|
| amino acid | H | H | F | NH-methyl |
| amino acid | H | H | F | NH-ethyl |
| amino acid | H | H | F | NH-acetyl |
| amino acid | H | H | F | OH |
| amino acid | H | H | F | OMe |
| amino acid | H | H | F | OEt |
| amino acid | H | H | F | O-cyclopropyl |
| amino acid | H | H | F | O-acetyl |
| amino acid | H | H | F | SH |
| amino acid | H | H | F | SMe |
| amino acid | H | H | F | SEt |
| amino acid | H | H | F | S-cyclopropyl |
| amino acid | H | H | F | F |
| amino acid | H | H | F | Cl |
| amino acid | H | H | F | Br |
| amino acid | H | H | F | I |
| amino acid | acyl | H | F | H |
| amino acid | acyl | H | F | NH ₂ |
| amino acid | acyl | H | F | NH-cyclopropyl |
| amino acid | acyl | H | F | NH-methyl |
| amino acid | acyl | H | F | NH-ethyl |
| amino acid | acyl | H | F | NH-acetyl |
| amino acid | acyl | H | F | OH |
| amino acid | acyl | H | F | OMe |
| amino acid | acyl | H | F | OEt |
| amino acid | acyl | H | F | O-cyclopropyl |
| amino acid | acyl | H | F | O-acetyl |
| amino acid | acyl | H | F | SH |
| amino acid | acyl | H | F | SMe |
| amino acid | acyl | H | F | SEt |
| amino acid | acyl | H | F | S-cyclopropyl |
| amino acid | acyl | H | F | F |
| amino acid | acyl | H | F | Cl |
| amino acid | acyl | H | F | Br |
| amino acid | acyl | H | F | I |
| acyl | H | NH ₂ | H | H |
| acyl | H | NH ₂ | H | NH ₂ |
| acyl | H | NH ₂ | H | NH-cyclopropyl |
| acyl | H | NH ₂ | H | NH-methyl |
| acyl | H | NH ₂ | H | NH-ethyl |
| acyl | H | NH ₂ | H | NH-acetyl |
| acyl | H | NH ₂ | H | OH |
| acyl | H | NH ₂ | H | OMe |
| acyl | H | NH ₂ | H | OEt |
| acyl | H | NH ₂ | H | O-cyclopropyl |
| acyl | H | NH ₂ | H | O-acetyl |
| acyl | H | NH ₂ | H | SH |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|-----------------|----------------|-----------------|
| acyl | H | NH ₂ | H | SMe |
| acyl | H | NH ₂ | H | SEt |
| acyl | H | NH ₂ | H | S-cyclopropyl |
| acyl | H | NH ₂ | H | F |
| acyl | H | NH ₂ | H | Cl |
| acyl | H | NH ₂ | H | Br |
| acyl | H | NH ₂ | H | I |
| acyl | acyl | NH ₂ | H | H |
| acyl | acyl | NH ₂ | H | NH ₂ |
| acyl | acyl | NH ₂ | H | NH-cyclopropyl |
| acyl | acyl | NH ₂ | H | NH-methyl |
| acyl | acyl | NH ₂ | H | NH-ethyl |
| acyl | acyl | NH ₂ | H | NH-acetyl |
| acyl | acyl | NH ₂ | H | OH |
| acyl | acyl | NH ₂ | H | OMe |
| acyl | acyl | NH ₂ | H | OEt |
| acyl | acyl | NH ₂ | H | O-cyclopropyl |
| acyl | acyl | NH ₂ | H | O-acetyl |
| acyl | acyl | NH ₂ | H | SH |
| acyl | acyl | NH ₂ | H | SMe |
| acyl | acyl | NH ₂ | H | SEt |
| acyl | acyl | NH ₂ | H | S-cyclopropyl |
| acyl | acyl | NH ₂ | H | F |
| acyl | acyl | NH ₂ | H | Cl |
| acyl | acyl | NH ₂ | H | Br |
| acyl | acyl | NH ₂ | H | I |
| acyl | amino acid | NH ₂ | H | H |
| acyl | amino acid | NH ₂ | H | NH ₂ |
| acyl | amino acid | NH ₂ | H | NH-cyclopropyl |
| acyl | amino acid | NH ₂ | H | NH-methyl |
| acyl | amino acid | NH ₂ | H | NH-ethyl |
| acyl | amino acid | NH ₂ | H | NH-acetyl |
| acyl | amino acid | NH ₂ | H | OH |
| acyl | amino acid | NH ₂ | H | OMe |
| acyl | amino acid | NH ₂ | H | OEt |
| acyl | amino acid | NH ₂ | H | O-cyclopropyl |
| acyl | amino acid | NH ₂ | H | O-acetyl |
| acyl | amino acid | NH ₂ | H | SH |
| acyl | amino acid | NH ₂ | H | SMe |
| acyl | amino acid | NH ₂ | H | SEt |
| acyl | amino acid | NH ₂ | H | S-cyclopropyl |
| acyl | amino acid | NH ₂ | H | F |
| acyl | amino acid | NH ₂ | H | Cl |
| acyl | amino acid | NH ₂ | H | Br |
| acyl | amino acid | NH ₂ | H | I |
| H | acyl | NH ₂ | H | H |
| H | acyl | NH ₂ | H | NH ₂ |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|-----------------|----------------|-----------------|
| H | acyl | NH ₂ | H | NH-cyclopropyl |
| H | acyl | NH ₂ | H | NH-methyl |
| H | acyl | NH ₂ | H | NH-ethyl |
| H | acyl | NH ₂ | H | NH-acetyl |
| H | acyl | NH ₂ | H | OH |
| H | acyl | NH ₂ | H | OMe |
| H | acyl | NH ₂ | H | OEt |
| H | acyl | NH ₂ | H | O-cyclopropyl |
| H | acyl | NH ₂ | H | O-acetyl |
| H | acyl | NH ₂ | H | SH |
| H | acyl | NH ₂ | H | SMe |
| H | acyl | NH ₂ | H | SEt |
| H | acyl | NH ₂ | H | S-cyclopropyl |
| H | acyl | NH ₂ | H | F |
| H | acyl | NH ₂ | H | Cl |
| H | acyl | NH ₂ | H | Br |
| H | acyl | NH ₂ | H | I |
| H | amino acid | NH ₂ | H | H |
| H | amino acid | NH ₂ | H | NH ₂ |
| H | amino acid | NH ₂ | H | NH-cyclopropyl |
| H | amino acid | NH ₂ | H | NH-methyl |
| H | amino acid | NH ₂ | H | NH-ethyl |
| H | amino acid | NH ₂ | H | NH-acetyl |
| H | amino acid | NH ₂ | H | OH |
| H | amino acid | NH ₂ | H | OMe |
| H | amino acid | NH ₂ | H | OEt |
| H | amino acid | NH ₂ | H | O-cyclopropyl |
| H | amino acid | NH ₂ | H | O-acetyl |
| H | amino acid | NH ₂ | H | SH |
| H | amino acid | NH ₂ | H | SMe |
| H | amino acid | NH ₂ | H | SEt |
| H | amino acid | NH ₂ | H | S-cyclopropyl |
| H | amino acid | NH ₂ | H | F |
| H | amino acid | NH ₂ | H | Cl |
| H | amino acid | NH ₂ | H | Br |
| H | amino acid | NH ₂ | H | I |
| amino acid | amino acid | NH ₂ | H | H |
| amino acid | amino acid | NH ₂ | H | NH ₂ |
| amino acid | amino acid | NH ₂ | H | NH-cyclopropyl |
| amino acid | amino acid | NH ₂ | H | NH-methyl |
| amino acid | amino acid | NH ₂ | H | NH-ethyl |
| amino acid | amino acid | NH ₂ | H | NH-acetyl |
| amino acid | amino acid | NH ₂ | H | OH |
| amino acid | amino acid | NH ₂ | H | OMe |
| amino acid | amino acid | NH ₂ | H | OEt |
| amino acid | amino acid | NH ₂ | H | O-cyclopropyl |
| amino acid | amino acid | NH ₂ | H | O-acetyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|-----------------|-----------------|-----------------|
| amino acid | amino acid | NH ₂ | H | SH |
| amino acid | amino acid | NH ₂ | H | SMe |
| amino acid | amino acid | NH ₂ | H | SEt |
| amino acid | amino acid | NH ₂ | H | S-cyclopropyl |
| amino acid | amino acid | NH ₂ | H | F |
| amino acid | amino acid | NH ₂ | H | Cl |
| amino acid | amino acid | NH ₂ | H | Br |
| amino acid | amino acid | NH ₂ | H | I |
| amino acid | H | NH ₂ | H | H |
| amino acid | H | NH ₂ | H | NH ₂ |
| amino acid | H | NH ₂ | H | NH-cyclopropyl |
| amino acid | H | NH ₂ | H | NH-methyl |
| amino acid | H | NH ₂ | H | NH-ethyl |
| amino acid | H | NH ₂ | H | NH-acetyl |
| amino acid | H | NH ₂ | H | OH |
| amino acid | H | NH ₂ | H | OMe |
| amino acid | H | NH ₂ | H | OEt |
| amino acid | H | NH ₂ | H | O-cyclopropyl |
| amino acid | H | NH ₂ | H | O-acetyl |
| amino acid | H | NH ₂ | H | SH |
| amino acid | H | NH ₂ | H | SMe |
| amino acid | H | NH ₂ | H | SEt |
| amino acid | H | NH ₂ | H | S-cyclopropyl |
| amino acid | H | NH ₂ | H | F |
| amino acid | H | NH ₂ | H | Cl |
| amino acid | H | NH ₂ | H | Br |
| amino acid | H | NH ₂ | H | I |
| amino acid | acyl | NH ₂ | H | H |
| amino acid | acyl | NH ₂ | H | NH ₂ |
| amino acid | acyl | NH ₂ | H | NH-cyclopropyl |
| amino acid | acyl | NH ₂ | H | NH-methyl |
| amino acid | acyl | NH ₂ | H | NH-ethyl |
| amino acid | acyl | NH ₂ | H | NH-acetyl |
| amino acid | acyl | NH ₂ | H | OH |
| amino acid | acyl | NH ₂ | H | OMe |
| amino acid | acyl | NH ₂ | H | OEt |
| amino acid | acyl | NH ₂ | H | O-cyclopropyl |
| amino acid | acyl | NH ₂ | H | O-acetyl |
| amino acid | acyl | NH ₂ | H | SH |
| amino acid | acyl | NH ₂ | H | SMe |
| amino acid | acyl | NH ₂ | H | SEt |
| amino acid | acyl | NH ₂ | H | S-cyclopropyl |
| amino acid | acyl | NH ₂ | H | F |
| amino acid | acyl | NH ₂ | H | Cl |
| amino acid | acyl | NH ₂ | H | Br |
| amino acid | acyl | NH ₂ | H | I |
| acyl | H | H | NH ₂ | H |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|-----------------|-----------------|
| acyl | H | H | NH ₂ | NH ₂ |
| acyl | H | H | NH ₂ | NH-cyclopropyl |
| acyl | H | H | NH ₂ | NH-methyl |
| acyl | H | H | NH ₂ | NH-ethyl |
| acyl | H | H | NH ₂ | NH-acetyl |
| acyl | H | H | NH ₂ | OH |
| acyl | H | H | NH ₂ | OMe |
| acyl | H | H | NH ₂ | OEt |
| acyl | H | H | NH ₂ | O-cyclopropyl |
| acyl | H | H | NH ₂ | O-acetyl |
| acyl | H | H | NH ₂ | SH |
| acyl | H | H | NH ₂ | SMe |
| acyl | H | H | NH ₂ | SEt |
| acyl | H | H | NH ₂ | S-cyclopropyl |
| acyl | H | H | NH ₂ | F |
| acyl | H | H | NH ₂ | Cl |
| acyl | H | H | NH ₂ | Br |
| acyl | H | H | NH ₂ | I |
| acyl | acyl | H | NH ₂ | H |
| acyl | acyl | H | NH ₂ | NH ₂ |
| acyl | acyl | H | NH ₂ | NH-cyclopropyl |
| acyl | acyl | H | NH ₂ | NH-methyl |
| acyl | acyl | H | NH ₂ | NH-ethyl |
| acyl | acyl | H | NH ₂ | NH-acetyl |
| acyl | acyl | H | NH ₂ | OH |
| acyl | acyl | H | NH ₂ | OMe |
| acyl | acyl | H | NH ₂ | OEt |
| acyl | acyl | H | NH ₂ | O-cyclopropyl |
| acyl | acyl | H | NH ₂ | O-acetyl |
| acyl | acyl | H | NH ₂ | SH |
| acyl | acyl | H | NH ₂ | SMe |
| acyl | acyl | H | NH ₂ | SEt |
| acyl | acyl | H | NH ₂ | S-cyclopropyl |
| acyl | acyl | H | NH ₂ | F |
| acyl | acyl | H | NH ₂ | Cl |
| acyl | acyl | H | NH ₂ | Br |
| acyl | acyl | H | NH ₂ | I |
| acyl | amino acid | H | NH ₂ | H |
| acyl | amino acid | H | NH ₂ | NH ₂ |
| acyl | amino acid | H | NH ₂ | NH-cyclopropyl |
| acyl | amino acid | H | NH ₂ | NH-methyl |
| acyl | amino acid | H | NH ₂ | NH-ethyl |
| acyl | amino acid | H | NH ₂ | NH-acetyl |
| acyl | amino acid | H | NH ₂ | OH |
| acyl | amino acid | H | NH ₂ | OMe |
| acyl | amino acid | H | NH ₂ | OEt |
| acyl | amino acid | H | NH ₂ | O-cyclopropyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|-----------------|-----------------|
| acyl | amino acid | H | NH ₂ | O-acetyl |
| acyl | amino acid | H | NH ₂ | SH |
| acyl | amino acid | H | NH ₂ | SMe |
| acyl | amino acid | H | NH ₂ | SEt |
| acyl | amino acid | H | NH ₂ | S-cyclopropyl |
| acyl | amino acid | H | NH ₂ | F |
| acyl | amino acid | H | NH ₂ | Cl |
| acyl | amino acid | H | NH ₂ | Br |
| acyl | amino acid | H | NH ₂ | I |
| H | acyl | H | NH ₂ | H |
| H | acyl | H | NH ₂ | NH ₂ |
| H | acyl | H | NH ₂ | NH-cyclopropyl |
| H | acyl | H | NH ₂ | NH-methyl |
| H | acyl | H | NH ₂ | NH-ethyl |
| H | acyl | H | NH ₂ | NH-acetyl |
| H | acyl | H | NH ₂ | OH |
| H | acyl | H | NH ₂ | OMe |
| H | acyl | H | NH ₂ | OEt |
| H | acyl | H | NH ₂ | O-cyclopropyl |
| H | acyl | H | NH ₂ | O-acetyl |
| H | acyl | H | NH ₂ | SH |
| H | acyl | H | NH ₂ | SMe |
| H | acyl | H | NH ₂ | SEt |
| H | acyl | H | NH ₂ | S-cyclopropyl |
| H | acyl | H | NH ₂ | F |
| H | acyl | H | NH ₂ | Cl |
| H | acyl | H | NH ₂ | Br |
| H | acyl | H | NH ₂ | I |
| H | amino acid | H | NH ₂ | H |
| H | amino acid | H | NH ₂ | NH ₂ |
| H | amino acid | H | NH ₂ | NH-cyclopropyl |
| H | amino acid | H | NH ₂ | NH-methyl |
| H | amino acid | H | NH ₂ | NH-ethyl |
| H | amino acid | H | NH ₂ | NH-acetyl |
| H | amino acid | H | NH ₂ | OH |
| H | amino acid | H | NH ₂ | OMe |
| H | amino acid | H | NH ₂ | OEt |
| H | amino acid | H | NH ₂ | O-cyclopropyl |
| H | amino acid | H | NH ₂ | O-acetyl |
| H | amino acid | H | NH ₂ | SH |
| H | amino acid | H | NH ₂ | SMe |
| H | amino acid | H | NH ₂ | SEt |
| H | amino acid | H | NH ₂ | S-cyclopropyl |
| H | amino acid | H | NH ₂ | F |
| H | amino acid | H | NH ₂ | Cl |
| H | amino acid | H | NH ₂ | Br |
| H | amino acid | H | NH ₂ | I |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|-----------------|-----------------|
| amino acid | amino acid | H | NH ₂ | H |
| amino acid | amino acid | H | NH ₂ | NH ₂ |
| amino acid | amino acid | H | NH ₂ | NH-cyclopropyl |
| amino acid | amino acid | H | NH ₂ | NH-methyl |
| amino acid | amino acid | H | NH ₂ | NH-ethyl |
| amino acid | amino acid | H | NH ₂ | NH-acetyl |
| amino acid | amino acid | H | NH ₂ | OH |
| amino acid | amino acid | H | NH ₂ | OMe |
| amino acid | amino acid | H | NH ₂ | OEt |
| amino acid | amino acid | H | NH ₂ | O-cyclopropyl |
| amino acid | amino acid | H | NH ₂ | O-acetyl |
| amino acid | amino acid | H | NH ₂ | SH |
| amino acid | amino acid | H | NH ₂ | SMe |
| amino acid | amino acid | H | NH ₂ | SEt |
| amino acid | amino acid | H | NH ₂ | S-cyclopropyl |
| amino acid | amino acid | H | NH ₂ | F |
| amino acid | amino acid | H | NH ₂ | Cl |
| amino acid | amino acid | H | NH ₂ | Br |
| amino acid | amino acid | H | NH ₂ | I |
| amino acid | H | H | NH ₂ | H |
| amino acid | H | H | NH ₂ | NH ₂ |
| amino acid | H | H | NH ₂ | NH-cyclopropyl |
| amino acid | H | H | NH ₂ | NH-methyl |
| amino acid | H | H | NH ₂ | NH-ethyl |
| amino acid | H | H | NH ₂ | NH-acetyl |
| amino acid | H | H | NH ₂ | OH |
| amino acid | H | H | NH ₂ | OMe |
| amino acid | H | H | NH ₂ | OEt |
| amino acid | H | H | NH ₂ | O-cyclopropyl |
| amino acid | H | H | NH ₂ | O-acetyl |
| amino acid | H | H | NH ₂ | SH |
| amino acid | H | H | NH ₂ | SMe |
| amino acid | H | H | NH ₂ | SEt |
| amino acid | H | H | NH ₂ | S-cyclopropyl |
| amino acid | H | H | NH ₂ | F |
| amino acid | H | H | NH ₂ | Cl |
| amino acid | H | H | NH ₂ | Br |
| amino acid | H | H | NH ₂ | I |
| amino acid | acyl | H | NH ₂ | H |
| amino acid | acyl | H | NH ₂ | NH ₂ |
| amino acid | acyl | H | NH ₂ | NH-cyclopropyl |
| amino acid | acyl | H | NH ₂ | NH-methyl |
| amino acid | acyl | H | NH ₂ | NH-ethyl |
| amino acid | acyl | H | NH ₂ | NH-acetyl |
| amino acid | acyl | H | NH ₂ | OH |
| amino acid | acyl | H | NH ₂ | OMe |
| amino acid | acyl | H | NH ₂ | OEt |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|-----------------|-----------------|-----------------|
| amino acid | acyl | H | NH ₂ | O-cyclopropyl |
| amino acid | acyl | H | NH ₂ | O-acetyl |
| amino acid | acyl | H | NH ₂ | SH |
| amino acid | acyl | H | NH ₂ | SMe |
| amino acid | acyl | H | NH ₂ | SEt |
| amino acid | acyl | H | NH ₂ | S-cyclopropyl |
| amino acid | acyl | H | NH ₂ | F |
| amino acid | acyl | H | NH ₂ | Cl |
| amino acid | acyl | H | NH ₂ | Br |
| amino acid | acyl | H | NH ₂ | I |
| acyl | H | NH ₂ | NH ₂ | H |
| acyl | H | NH ₂ | NH ₂ | NH ₂ |
| acyl | H | NH ₂ | NH ₂ | NH-cyclopropyl |
| acyl | H | NH ₂ | NH ₂ | NH-methyl |
| acyl | H | NH ₂ | NH ₂ | NH-ethyl |
| acyl | H | NH ₂ | NH ₂ | NH-acetyl |
| acyl | H | NH ₂ | NH ₂ | OH |
| acyl | H | NH ₂ | NH ₂ | OMe |
| acyl | H | NH ₂ | NH ₂ | OEt |
| acyl | H | NH ₂ | NH ₂ | O-cyclopropyl |
| acyl | H | NH ₂ | NH ₂ | O-acetyl |
| acyl | H | NH ₂ | NH ₂ | SH |
| acyl | H | NH ₂ | NH ₂ | SMe |
| acyl | H | NH ₂ | NH ₂ | SEt |
| acyl | H | NH ₂ | NH ₂ | S-cyclopropyl |
| acyl | H | NH ₂ | NH ₂ | F |
| acyl | H | NH ₂ | NH ₂ | Cl |
| acyl | H | NH ₂ | NH ₂ | Br |
| acyl | H | NH ₂ | NH ₂ | I |
| acyl | acyl | NH ₂ | NH ₂ | H |
| acyl | acyl | NH ₂ | NH ₂ | NH ₂ |
| acyl | acyl | NH ₂ | NH ₂ | NH-cyclopropyl |
| acyl | acyl | NH ₂ | NH ₂ | NH-methyl |
| acyl | acyl | NH ₂ | NH ₂ | NH-ethyl |
| acyl | acyl | NH ₂ | NH ₂ | NH-acetyl |
| acyl | acyl | NH ₂ | NH ₂ | OH |
| acyl | acyl | NH ₂ | NH ₂ | OMe |
| acyl | acyl | NH ₂ | NH ₂ | OEt |
| acyl | acyl | NH ₂ | NH ₂ | O-cyclopropyl |
| acyl | acyl | NH ₂ | NH ₂ | O-acetyl |
| acyl | acyl | NH ₂ | NH ₂ | SH |
| acyl | acyl | NH ₂ | NH ₂ | SMe |
| acyl | acyl | NH ₂ | NH ₂ | SEt |
| acyl | acyl | NH ₂ | NH ₂ | S-cyclopropyl |
| acyl | acyl | NH ₂ | NH ₂ | F |
| acyl | acyl | NH ₂ | NH ₂ | Cl |
| acyl | acyl | NH ₂ | NH ₂ | Br |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|-----------------|-----------------|-----------------|
| acyl | acyl | NH ₂ | NH ₂ | I |
| acyl | amino acid | NH ₂ | NH ₂ | H |
| acyl | amino acid | NH ₂ | NH ₂ | NH ₂ |
| acyl | amino acid | NH ₂ | NH ₂ | NH-cyclopropyl |
| acyl | amino acid | NH ₂ | NH ₂ | NH-methyl |
| acyl | amino acid | NH ₂ | NH ₂ | NH-ethyl |
| acyl | amino acid | NH ₂ | NH ₂ | NH-acetyl |
| acyl | amino acid | NH ₂ | NH ₂ | OH |
| acyl | amino acid | NH ₂ | NH ₂ | OMe |
| acyl | amino acid | NH ₂ | NH ₂ | OEt |
| acyl | amino acid | NH ₂ | NH ₂ | O-cyclopropyl |
| acyl | amino acid | NH ₂ | NH ₂ | O-acetyl |
| acyl | amino acid | NH ₂ | NH ₂ | SH |
| acyl | amino acid | NH ₂ | NH ₂ | SMe |
| acyl | amino acid | NH ₂ | NH ₂ | SEt |
| acyl | amino acid | NH ₂ | NH ₂ | S-cyclopropyl |
| acyl | amino acid | NH ₂ | NH ₂ | F |
| acyl | amino acid | NH ₂ | NH ₂ | Cl |
| acyl | amino acid | NH ₂ | NH ₂ | Br |
| acyl | amino acid | NH ₂ | NH ₂ | I |
| H | acyl | NH ₂ | NH ₂ | H |
| H | acyl | NH ₂ | NH ₂ | NH ₂ |
| H | acyl | NH ₂ | NH ₂ | NH-cyclopropyl |
| H | acyl | NH ₂ | NH ₂ | NH-methyl |
| H | acyl | NH ₂ | NH ₂ | NH-ethyl |
| H | acyl | NH ₂ | NH ₂ | NH-acetyl |
| H | acyl | NH ₂ | NH ₂ | OH |
| H | acyl | NH ₂ | NH ₂ | OMe |
| H | acyl | NH ₂ | NH ₂ | OEt |
| H | acyl | NH ₂ | NH ₂ | O-cyclopropyl |
| H | acyl | NH ₂ | NH ₂ | O-acetyl |
| H | acyl | NH ₂ | NH ₂ | SH |
| H | acyl | NH ₂ | NH ₂ | SMe |
| H | acyl | NH ₂ | NH ₂ | SEt |
| H | acyl | NH ₂ | NH ₂ | S-cyclopropyl |
| H | acyl | NH ₂ | NH ₂ | F |
| H | acyl | NH ₂ | NH ₂ | Cl |
| H | acyl | NH ₂ | NH ₂ | Br |
| H | acyl | NH ₂ | NH ₂ | I |
| H | amino acid | NH ₂ | NH ₂ | H |
| H | amino acid | NH ₂ | NH ₂ | NH ₂ |
| H | amino acid | NH ₂ | NH ₂ | NH-cyclopropyl |
| H | amino acid | NH ₂ | NH ₂ | NH-methyl |
| H | amino acid | NH ₂ | NH ₂ | NH-ethyl |
| H | amino acid | NH ₂ | NH ₂ | NH-acetyl |
| H | amino acid | NH ₂ | NH ₂ | OH |
| H | amino acid | NH ₂ | NH ₂ | OMe |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|-----------------|-----------------|-----------------|
| H | amino acid | NH ₂ | NH ₂ | OEt |
| H | amino acid | NH ₂ | NH ₂ | O-cyclopropyl |
| H | amino acid | NH ₂ | NH ₂ | O-acetyl |
| H | amino acid | NH ₂ | NH ₂ | SH |
| H | amino acid | NH ₂ | NH ₂ | SMe |
| H | amino acid | NH ₂ | NH ₂ | SEt |
| H | amino acid | NH ₂ | NH ₂ | S-cyclopropyl |
| H | amino acid | NH ₂ | NH ₂ | F |
| H | amino acid | NH ₂ | NH ₂ | Cl |
| H | amino acid | NH ₂ | NH ₂ | Br |
| H | amino acid | NH ₂ | NH ₂ | I |
| amino acid | amino acid | NH ₂ | NH ₂ | H |
| amino acid | amino acid | NH ₂ | NH ₂ | NH ₂ |
| amino acid | amino acid | NH ₂ | NH ₂ | NH-cyclopropyl |
| amino acid | amino acid | NH ₂ | NH ₂ | NH-methyl |
| amino acid | amino acid | NH ₂ | NH ₂ | NH-ethyl |
| amino acid | amino acid | NH ₂ | NH ₂ | NH-acetyl |
| amino acid | amino acid | NH ₂ | NH ₂ | OH |
| amino acid | amino acid | NH ₂ | NH ₂ | OMe |
| amino acid | amino acid | NH ₂ | NH ₂ | OEt |
| amino acid | amino acid | NH ₂ | NH ₂ | O-cyclopropyl |
| amino acid | amino acid | NH ₂ | NH ₂ | O-acetyl |
| amino acid | amino acid | NH ₂ | NH ₂ | SH |
| amino acid | amino acid | NH ₂ | NH ₂ | SMe |
| amino acid | amino acid | NH ₂ | NH ₂ | SEt |
| amino acid | amino acid | NH ₂ | NH ₂ | S-cyclopropyl |
| amino acid | amino acid | NH ₂ | NH ₂ | F |
| amino acid | amino acid | NH ₂ | NH ₂ | Cl |
| amino acid | amino acid | NH ₂ | NH ₂ | Br |
| amino acid | amino acid | NH ₂ | NH ₂ | I |
| amino acid | H | NH ₂ | NH ₂ | H |
| amino acid | H | NH ₂ | NH ₂ | NH ₂ |
| amino acid | H | NH ₂ | NH ₂ | NH-cyclopropyl |
| amino acid | H | NH ₂ | NH ₂ | NH-methyl |
| amino acid | H | NH ₂ | NH ₂ | NH-ethyl |
| amino acid | H | NH ₂ | NH ₂ | NH-acetyl |
| amino acid | H | NH ₂ | NH ₂ | OH |
| amino acid | H | NH ₂ | NH ₂ | OMe |
| amino acid | H | NH ₂ | NH ₂ | OEt |
| amino acid | H | NH ₂ | NH ₂ | O-cyclopropyl |
| amino acid | H | NH ₂ | NH ₂ | O-acetyl |
| amino acid | H | NH ₂ | NH ₂ | SH |
| amino acid | H | NH ₂ | NH ₂ | SMe |
| amino acid | H | NH ₂ | NH ₂ | SEt |
| amino acid | H | NH ₂ | NH ₂ | S-cyclopropyl |
| amino acid | H | NH ₂ | NH ₂ | F |
| amino acid | H | NH ₂ | NH ₂ | Cl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|-----------------|-----------------|-----------------|
| amino acid | H | NH ₂ | NH ₂ | Br |
| amino acid | H | NH ₂ | NH ₂ | I |
| amino acid | acyl | NH ₂ | NH ₂ | H |
| amino acid | acyl | NH ₂ | NH ₂ | NH ₂ |
| amino acid | acyl | NH ₂ | NH ₂ | NH-cyclopropyl |
| amino acid | acyl | NH ₂ | NH ₂ | NH-methyl |
| amino acid | acyl | NH ₂ | NH ₂ | NH-ethyl |
| amino acid | acyl | NH ₂ | NH ₂ | NH-acetyl |
| amino acid | acyl | NH ₂ | NH ₂ | OH |
| amino acid | acyl | NH ₂ | NH ₂ | OMe |
| amino acid | acyl | NH ₂ | NH ₂ | OEt |
| amino acid | acyl | NH ₂ | NH ₂ | O-cyclopropyl |
| amino acid | acyl | NH ₂ | NH ₂ | O-acetyl |
| amino acid | acyl | NH ₂ | NH ₂ | SH |
| amino acid | acyl | NH ₂ | NH ₂ | SMe |
| amino acid | acyl | NH ₂ | NH ₂ | SEt |
| amino acid | acyl | NH ₂ | NH ₂ | S-cyclopropyl |
| amino acid | acyl | NH ₂ | NH ₂ | F |
| amino acid | acyl | NH ₂ | NH ₂ | Cl |
| amino acid | acyl | NH ₂ | NH ₂ | Br |
| amino acid | acyl | NH ₂ | NH ₂ | I |
| acyl | H | OH | NH ₂ | H |
| acyl | H | OH | NH ₂ | NH ₂ |
| acyl | H | OH | NH ₂ | NH-cyclopropyl |
| acyl | H | OH | NH ₂ | NH-methyl |
| acyl | H | OH | NH ₂ | NH-ethyl |
| acyl | H | OH | NH ₂ | NH-acetyl |
| acyl | H | OH | NH ₂ | OH |
| acyl | H | OH | NH ₂ | OMe |
| acyl | H | OH | NH ₂ | OEt |
| acyl | H | OH | NH ₂ | O-cyclopropyl |
| acyl | H | OH | NH ₂ | O-acetyl |
| acyl | H | OH | NH ₂ | SH |
| acyl | H | OH | NH ₂ | SMe |
| acyl | H | OH | NH ₂ | SEt |
| acyl | H | OH | NH ₂ | S-cyclopropyl |
| acyl | H | OH | NH ₂ | F |
| acyl | H | OH | NH ₂ | Cl |
| acyl | H | OH | NH ₂ | Br |
| acyl | H | OH | NH ₂ | I |
| acyl | acyl | OH | NH ₂ | H |
| acyl | acyl | OH | NH ₂ | NH ₂ |
| acyl | acyl | OH | NH ₂ | NH-cyclopropyl |
| acyl | acyl | OH | NH ₂ | NH-methyl |
| acyl | acyl | OH | NH ₂ | NH-ethyl |
| acyl | acyl | OH | NH ₂ | NH-acetyl |
| acyl | acyl | OH | NH ₂ | OH |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|-----------------|-----------------|
| acyl | acyl | OH | NH ₂ | OMe |
| acyl | acyl | OH | NH ₂ | OEt |
| acyl | acyl | OH | NH ₂ | O-cyclopropyl |
| acyl | acyl | OH | NH ₂ | O-acetyl |
| acyl | acyl | OH | NH ₂ | SH |
| acyl | acyl | OH | NH ₂ | SMe |
| acyl | acyl | OH | NH ₂ | SEt |
| acyl | acyl | OH | NH ₂ | S-cyclopropyl |
| acyl | acyl | OH | NH ₂ | F |
| acyl | acyl | OH | NH ₂ | Cl |
| acyl | acyl | OH | NH ₂ | Br |
| acyl | acyl | OH | NH ₂ | I |
| acyl | amino acid | OH | NH ₂ | H |
| acyl | amino acid | OH | NH ₂ | NH ₂ |
| acyl | amino acid | OH | NH ₂ | NH-cyclopropyl |
| acyl | amino acid | OH | NH ₂ | NH-methyl |
| acyl | amino acid | OH | NH ₂ | NH-ethyl |
| acyl | amino acid | OH | NH ₂ | NH-acetyl |
| acyl | amino acid | OH | NH ₂ | OH |
| acyl | amino acid | OH | NH ₂ | OMe |
| acyl | amino acid | OH | NH ₂ | OEt |
| acyl | amino acid | OH | NH ₂ | O-cyclopropyl |
| acyl | amino acid | OH | NH ₂ | O-acetyl |
| acyl | amino acid | OH | NH ₂ | SH |
| acyl | amino acid | OH | NH ₂ | SMe |
| acyl | amino acid | OH | NH ₂ | SEt |
| acyl | amino acid | OH | NH ₂ | S-cyclopropyl |
| acyl | amino acid | OH | NH ₂ | F |
| acyl | amino acid | OH | NH ₂ | Cl |
| acyl | amino acid | OH | NH ₂ | Br |
| acyl | amino acid | OH | NH ₂ | I |
| H | acyl | OH | NH ₂ | H |
| H | acyl | OH | NH ₂ | NH ₂ |
| H | acyl | OH | NH ₂ | NH-cyclopropyl |
| H | acyl | OH | NH ₂ | NH-methyl |
| H | acyl | OH | NH ₂ | NH-ethyl |
| H | acyl | OH | NH ₂ | NH-acetyl |
| H | acyl | OH | NH ₂ | OH |
| H | acyl | OH | NH ₂ | OMe |
| H | acyl | OH | NH ₂ | OEt |
| H | acyl | OH | NH ₂ | O-cyclopropyl |
| H | acyl | OH | NH ₂ | O-acetyl |
| H | acyl | OH | NH ₂ | SH |
| H | acyl | OH | NH ₂ | SMe |
| H | acyl | OH | NH ₂ | SEt |
| H | acyl | OH | NH ₂ | S-cyclopropyl |
| H | acyl | OH | NH ₂ | F |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|-----------------|-----------------|
| H | acyl | OH | NH ₂ | Cl |
| H | acyl | OH | NH ₂ | Br |
| H | acyl | OH | NH ₂ | I |
| H | amino acid | OH | NH ₂ | H |
| H | amino acid | OH | NH ₂ | NH ₂ |
| H | amino acid | OH | NH ₂ | NH-cyclopropyl |
| H | amino acid | OH | NH ₂ | NH-methyl |
| H | amino acid | OH | NH ₂ | NH-ethyl |
| H | amino acid | OH | NH ₂ | NH-acetyl |
| H | amino acid | OH | NH ₂ | OH |
| H | amino acid | OH | NH ₂ | OMe |
| H | amino acid | OH | NH ₂ | OEt |
| H | amino acid | OH | NH ₂ | O-cyclopropyl |
| H | amino acid | OH | NH ₂ | O-acetyl |
| H | amino acid | OH | NH ₂ | SH |
| H | amino acid | OH | NH ₂ | SMe |
| H | amino acid | OH | NH ₂ | SEt |
| H | amino acid | OH | NH ₂ | S-cyclopropyl |
| H | amino acid | OH | NH ₂ | F |
| H | amino acid | OH | NH ₂ | Cl |
| H | amino acid | OH | NH ₂ | Br |
| H | amino acid | OH | NH ₂ | I |
| amino acid | amino acid | OH | NH ₂ | H |
| amino acid | amino acid | OH | NH ₂ | NH ₂ |
| amino acid | amino acid | OH | NH ₂ | NH-cyclopropyl |
| amino acid | amino acid | OH | NH ₂ | NH-methyl |
| amino acid | amino acid | OH | NH ₂ | NH-ethyl |
| amino acid | amino acid | OH | NH ₂ | NH-acetyl |
| amino acid | amino acid | OH | NH ₂ | OH |
| amino acid | amino acid | OH | NH ₂ | OMe |
| amino acid | amino acid | OH | NH ₂ | OEt |
| amino acid | amino acid | OH | NH ₂ | O-cyclopropyl |
| amino acid | amino acid | OH | NH ₂ | O-acetyl |
| amino acid | amino acid | OH | NH ₂ | SH |
| amino acid | amino acid | OH | NH ₂ | SMe |
| amino acid | amino acid | OH | NH ₂ | SEt |
| amino acid | amino acid | OH | NH ₂ | S-cyclopropyl |
| amino acid | amino acid | OH | NH ₂ | F |
| amino acid | amino acid | OH | NH ₂ | Cl |
| amino acid | amino acid | OH | NH ₂ | Br |
| amino acid | amino acid | OH | NH ₂ | I |
| amino acid | H | OH | NH ₂ | H |
| amino acid | H | OH | NH ₂ | NH ₂ |
| amino acid | H | OH | NH ₂ | NH-cyclopropyl |
| amino acid | H | OH | NH ₂ | NH-methyl |
| amino acid | H | OH | NH ₂ | NH-ethyl |
| amino acid | H | OH | NH ₂ | NH-acetyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|-----------------|-----------------|
| amino acid | H | OH | NH ₂ | OH |
| amino acid | H | OH | NH ₂ | OMe |
| amino acid | H | OH | NH ₂ | OEt |
| amino acid | H | OH | NH ₂ | O-cyclopropyl |
| amino acid | H | OH | NH ₂ | O-acetyl |
| amino acid | H | OH | NH ₂ | SH |
| amino acid | H | OH | NH ₂ | SMe |
| amino acid | H | OH | NH ₂ | SEt |
| amino acid | H | OH | NH ₂ | S-cyclopropyl |
| amino acid | H | OH | NH ₂ | F |
| amino acid | H | OH | NH ₂ | Cl |
| amino acid | H | OH | NH ₂ | Br |
| amino acid | H | OH | NH ₂ | I |
| amino acid | acyl | OH | NH ₂ | H |
| amino acid | acyl | OH | NH ₂ | NH ₂ |
| amino acid | acyl | OH | NH ₂ | NH-cyclopropyl |
| amino acid | acyl | OH | NH ₂ | NH-methyl |
| amino acid | acyl | OH | NH ₂ | NH-ethyl |
| amino acid | acyl | OH | NH ₂ | NH-acetyl |
| amino acid | acyl | OH | NH ₂ | OH |
| amino acid | acyl | OH | NH ₂ | OMe |
| amino acid | acyl | OH | NH ₂ | OEt |
| amino acid | acyl | OH | NH ₂ | O-cyclopropyl |
| amino acid | acyl | OH | NH ₂ | O-acetyl |
| amino acid | acyl | OH | NH ₂ | SH |
| amino acid | acyl | OH | NH ₂ | SMe |
| amino acid | acyl | OH | NH ₂ | SEt |
| amino acid | acyl | OH | NH ₂ | S-cyclopropyl |
| amino acid | acyl | OH | NH ₂ | F |
| amino acid | acyl | OH | NH ₂ | Cl |
| amino acid | acyl | OH | NH ₂ | Br |
| amino acid | acyl | OH | NH ₂ | I |
| acyl | H | OH | H | H |
| acyl | H | OH | H | NH ₂ |
| acyl | H | OH | H | NH-cyclopropyl |
| acyl | H | OH | H | NH-methyl |
| acyl | H | OH | H | NH-ethyl |
| acyl | H | OH | H | NH-acetyl |
| acyl | H | OH | H | OH |
| acyl | H | OH | H | OMe |
| acyl | H | OH | H | OEt |
| acyl | H | OH | H | O-cyclopropyl |
| acyl | H | OH | H | O-acetyl |
| acyl | H | OH | H | SH |
| acyl | H | OH | H | SMe |
| acyl | H | OH | H | SEt |
| acyl | H | OH | H | S-cyclopropyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| acyl | H | OH | H | F |
| acyl | H | OH | H | Cl |
| acyl | H | OH | H | Br |
| acyl | H | OH | H | I |
| acyl | acyl | OH | H | H |
| acyl | acyl | OH | H | NH ₂ |
| acyl | acyl | OH | H | NH-cyclopropyl |
| acyl | acyl | OH | H | NH-methyl |
| acyl | acyl | OH | H | NH-ethyl |
| acyl | acyl | OH | H | NH-acetyl |
| acyl | acyl | OH | H | OH |
| acyl | acyl | OH | H | OMe |
| acyl | acyl | OH | H | OEt |
| acyl | acyl | OH | H | O-cyclopropyl |
| acyl | acyl | OH | H | O-acetyl |
| acyl | acyl | OH | H | SH |
| acyl | acyl | OH | H | SMe |
| acyl | acyl | OH | H | SEt |
| acyl | acyl | OH | H | S-cyclopropyl |
| acyl | acyl | OH | H | F |
| acyl | acyl | OH | H | Cl |
| acyl | acyl | OH | H | Br |
| acyl | acyl | OH | H | I |
| acyl | amino acid | OH | H | H |
| acyl | amino acid | OH | H | NH ₂ |
| acyl | amino acid | OH | H | NH-cyclopropyl |
| acyl | amino acid | OH | H | NH-methyl |
| acyl | amino acid | OH | H | NH-ethyl |
| acyl | amino acid | OH | H | NH-acetyl |
| acyl | amino acid | OH | H | OH |
| acyl | amino acid | OH | H | OMe |
| acyl | amino acid | OH | H | OEt |
| acyl | amino acid | OH | H | O-cyclopropyl |
| acyl | amino acid | OH | H | O-acetyl |
| acyl | amino acid | OH | H | SH |
| acyl | amino acid | OH | H | SMe |
| acyl | amino acid | OH | H | SEt |
| acyl | amino acid | OH | H | S-cyclopropyl |
| acyl | amino acid | OH | H | F |
| acyl | amino acid | OH | H | Cl |
| acyl | amino acid | OH | H | Br |
| acyl | amino acid | OH | H | I |
| H | acyl | OH | H | H |
| H | acyl | OH | H | NH ₂ |
| H | acyl | OH | H | NH-cyclopropyl |
| H | acyl | OH | H | NH-methyl |
| H | acyl | OH | H | NH-ethyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| H | acyl | OH | H | NH-acetyl |
| H | acyl | OH | H | OH |
| H | acyl | OH | H | OMe |
| H | acyl | OH | H | OEt |
| H | acyl | OH | H | O-cyclopropyl |
| H | acyl | OH | H | O-acetyl |
| H | acyl | OH | H | SH |
| H | acyl | OH | H | SMe |
| H | acyl | OH | H | SEt |
| H | acyl | OH | H | S-cyclopropyl |
| H | acyl | OH | H | F |
| H | acyl | OH | H | Cl |
| H | acyl | OH | H | Br |
| H | acyl | OH | H | I |
| H | amino acid | OH | H | H |
| H | amino acid | OH | H | NH ₂ |
| H | amino acid | OH | H | NH-cyclopropyl |
| H | amino acid | OH | H | NH-methyl |
| H | amino acid | OH | H | NH-ethyl |
| H | amino acid | OH | H | NH-acetyl |
| H | amino acid | OH | H | OH |
| H | amino acid | OH | H | OMe |
| H | amino acid | OH | H | OEt |
| H | amino acid | OH | H | O-cyclopropyl |
| H | amino acid | OH | H | O-acetyl |
| H | amino acid | OH | H | SH |
| H | amino acid | OH | H | SMe |
| H | amino acid | OH | H | SEt |
| H | amino acid | OH | H | S-cyclopropyl |
| H | amino acid | OH | H | F |
| H | amino acid | OH | H | Cl |
| H | amino acid | OH | H | Br |
| H | amino acid | OH | H | I |
| amino acid | amino acid | OH | H | H |
| amino acid | amino acid | OH | H | NH ₂ |
| amino acid | amino acid | OH | H | NH-cyclopropyl |
| amino acid | amino acid | OH | H | NH-methyl |
| amino acid | amino acid | OH | H | NH-ethyl |
| amino acid | amino acid | OH | H | NH-acetyl |
| amino acid | amino acid | OH | H | OH |
| amino acid | amino acid | OH | H | OMe |
| amino acid | amino acid | OH | H | OEt |
| amino acid | amino acid | OH | H | O-cyclopropyl |
| amino acid | amino acid | OH | H | O-acetyl |
| amino acid | amino acid | OH | H | SH |
| amino acid | amino acid | OH | H | SMe |
| amino acid | amino acid | OH | H | SEt |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| amino acid | amino acid | OH | H | S-cyclopropyl |
| amino acid | amino acid | OH | H | F |
| amino acid | amino acid | OH | H | Cl |
| amino acid | amino acid | OH | H | Br |
| amino acid | amino acid | OH | H | I |
| amino acid | H | OH | H | H |
| amino acid | H | OH | H | NH ₂ |
| amino acid | H | OH | H | NH-cyclopropyl |
| amino acid | H | OH | H | NH-methyl |
| amino acid | H | OH | H | NH-ethyl |
| amino acid | H | OH | H | NH-acetyl |
| amino acid | H | OH | H | OH |
| amino acid | H | OH | H | OMe |
| amino acid | H | OH | H | OEt |
| amino acid | H | OH | H | O-cyclopropyl |
| amino acid | H | OH | H | O-acetyl |
| amino acid | H | OH | H | SH |
| amino acid | H | OH | H | SMe |
| amino acid | H | OH | H | SEt |
| amino acid | H | OH | H | S-cyclopropyl |
| amino acid | H | OH | H | F |
| amino acid | H | OH | H | Cl |
| amino acid | H | OH | H | Br |
| amino acid | H | OH | H | I |
| amino acid | acyl | OH | H | H |
| amino acid | acyl | OH | H | NH ₂ |
| amino acid | acyl | OH | H | NH-cyclopropyl |
| amino acid | acyl | OH | H | NH-methyl |
| amino acid | acyl | OH | H | NH-ethyl |
| amino acid | acyl | OH | H | NH-acetyl |
| amino acid | acyl | OH | H | OH |
| amino acid | acyl | OH | H | OMe |
| amino acid | acyl | OH | H | OEt |
| amino acid | acyl | OH | H | O-cyclopropyl |
| amino acid | acyl | OH | H | O-acetyl |
| amino acid | acyl | OH | H | SH |
| amino acid | acyl | OH | H | SMe |
| amino acid | acyl | OH | H | SEt |
| amino acid | acyl | OH | H | S-cyclopropyl |
| amino acid | acyl | OH | H | F |
| amino acid | acyl | OH | H | Cl |
| amino acid | acyl | OH | H | Br |
| amino acid | acyl | OH | H | I |
| acyl | H | OH | OH | H |
| acyl | H | OH | OH | NH ₂ |
| acyl | H | OH | OH | NH-cyclopropyl |
| acyl | H | OH | OH | NH-methyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| acyl | H | OH | OH | NH-ethyl |
| acyl | H | OH | OH | NH-acetyl |
| acyl | H | OH | OH | OH |
| acyl | H | OH | OH | OMe |
| acyl | H | OH | OH | OEt |
| acyl | H | OH | OH | O-cyclopropyl |
| acyl | H | OH | OH | O-acetyl |
| acyl | H | OH | OH | SH |
| acyl | H | OH | OH | SMe |
| acyl | H | OH | OH | SEt |
| acyl | H | OH | OH | S-cyclopropyl |
| acyl | H | OH | OH | F |
| acyl | H | OH | OH | Cl |
| acyl | H | OH | OH | Br |
| acyl | H | OH | OH | I |
| acyl | acyl | OH | OH | H |
| acyl | acyl | OH | OH | NH ₂ |
| acyl | acyl | OH | OH | NH-cyclopropyl |
| acyl | acyl | OH | OH | NH-methyl |
| acyl | acyl | OH | OH | NH-ethyl |
| acyl | acyl | OH | OH | NH-acetyl |
| acyl | acyl | OH | OH | OH |
| acyl | acyl | OH | OH | OMe |
| acyl | acyl | OH | OH | OEt |
| acyl | acyl | OH | OH | O-cyclopropyl |
| acyl | acyl | OH | OH | O-acetyl |
| acyl | acyl | OH | OH | SH |
| acyl | acyl | OH | OH | SMe |
| acyl | acyl | OH | OH | SEt |
| acyl | acyl | OH | OH | S-cyclopropyl |
| acyl | acyl | OH | OH | F |
| acyl | acyl | OH | OH | Cl |
| acyl | acyl | OH | OH | Br |
| acyl | acyl | OH | OH | I |
| acyl | amino acid | OH | OH | H |
| acyl | amino acid | OH | OH | NH ₂ |
| acyl | amino acid | OH | OH | NH-cyclopropyl |
| acyl | amino acid | OH | OH | NH-methyl |
| acyl | amino acid | OH | OH | NH-ethyl |
| acyl | amino acid | OH | OH | NH-acetyl |
| acyl | amino acid | OH | OH | OH |
| acyl | amino acid | OH | OH | OMe |
| acyl | amino acid | OH | OH | OEt |
| acyl | amino acid | OH | OH | O-cyclopropyl |
| acyl | amino acid | OH | OH | O-acetyl |
| acyl | amino acid | OH | OH | SH |
| acyl | amino acid | OH | OH | SMe |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| acyl | amino acid | OH | OH | SEt |
| acyl | amino acid | OH | OH | S-cyclopropyl |
| acyl | amino acid | OH | OH | F |
| acyl | amino acid | OH | OH | Cl |
| acyl | amino acid | OH | OH | Br |
| acyl | amino acid | OH | OH | I |
| H | acyl | OH | OH | H |
| H | acyl | OH | OH | NH ₂ |
| H | acyl | OH | OH | NH-cyclopropyl |
| H | acyl | OH | OH | NH-methyl |
| H | acyl | OH | OH | NH-ethyl |
| H | acyl | OH | OH | NH-acetyl |
| H | acyl | OH | OH | OH |
| H | acyl | OH | OH | OMe |
| H | acyl | OH | OH | OEt |
| H | acyl | OH | OH | O-cyclopropyl |
| H | acyl | OH | OH | O-acetyl |
| H | acyl | OH | OH | SH |
| H | acyl | OH | OH | SMe |
| H | acyl | OH | OH | SEt |
| H | acyl | OH | OH | S-cyclopropyl |
| H | acyl | OH | OH | F |
| H | acyl | OH | OH | Cl |
| H | acyl | OH | OH | Br |
| H | acyl | OH | OH | I |
| H | amino acid | OH | OH | H |
| H | amino acid | OH | OH | NH ₂ |
| H | amino acid | OH | OH | NH-cyclopropyl |
| H | amino acid | OH | OH | NH-methyl |
| H | amino acid | OH | OH | NH-ethyl |
| H | amino acid | OH | OH | NH-acetyl |
| H | amino acid | OH | OH | OH |
| H | amino acid | OH | OH | OMe |
| H | amino acid | OH | OH | OEt |
| H | amino acid | OH | OH | O-cyclopropyl |
| H | amino acid | OH | OH | O-acetyl |
| H | amino acid | OH | OH | SH |
| H | amino acid | OH | OH | SMe |
| H | amino acid | OH | OH | SEt |
| H | amino acid | OH | OH | S-cyclopropyl |
| H | amino acid | OH | OH | F |
| H | amino acid | OH | OH | Cl |
| H | amino acid | OH | OH | Br |
| H | amino acid | OH | OH | I |
| amino acid | amino acid | OH | OH | H |
| amino acid | amino acid | OH | OH | NH ₂ |
| amino acid | amino acid | OH | OH | NH-cyclopropyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| amino acid | amino acid | OH | OH | NH-methyl |
| amino acid | amino acid | OH | OH | NH-ethyl |
| amino acid | amino acid | OH | OH | NH-acetyl |
| amino acid | amino acid | OH | OH | OH |
| amino acid | amino acid | OH | OH | OMe |
| amino acid | amino acid | OH | OH | OEt |
| amino acid | amino acid | OH | OH | O-cyclopropyl |
| amino acid | amino acid | OH | OH | O-acetyl |
| amino acid | amino acid | OH | OH | SH |
| amino acid | amino acid | OH | OH | SMe |
| amino acid | amino acid | OH | OH | SEt |
| amino acid | amino acid | OH | OH | S-cyclopropyl |
| amino acid | amino acid | OH | OH | F |
| amino acid | amino acid | OH | OH | Cl |
| amino acid | amino acid | OH | OH | Br |
| amino acid | amino acid | OH | OH | I |
| amino acid | H | OH | OH | H |
| amino acid | H | OH | OH | NH ₂ |
| amino acid | H | OH | OH | NH-cyclopropyl |
| amino acid | H | OH | OH | NH-methyl |
| amino acid | H | OH | OH | NH-ethyl |
| amino acid | H | OH | OH | NH-acetyl |
| amino acid | H | OH | OH | OH |
| amino acid | H | OH | OH | OMe |
| amino acid | H | OH | OH | OEt |
| amino acid | H | OH | OH | O-cyclopropyl |
| amino acid | H | OH | OH | O-acetyl |
| amino acid | H | OH | OH | SH |
| amino acid | H | OH | OH | SMe |
| amino acid | H | OH | OH | SEt |
| amino acid | H | OH | OH | S-cyclopropyl |
| amino acid | H | OH | OH | F |
| amino acid | H | OH | OH | Cl |
| amino acid | H | OH | OH | Br |
| amino acid | H | OH | OH | I |
| amino acid | acyl | OH | OH | H |
| amino acid | acyl | OH | OH | NH ₂ |
| amino acid | acyl | OH | OH | NH-cyclopropyl |
| amino acid | acyl | OH | OH | NH-methyl |
| amino acid | acyl | OH | OH | NH-ethyl |
| amino acid | acyl | OH | OH | NH-acetyl |
| amino acid | acyl | OH | OH | OH |
| amino acid | acyl | OH | OH | OMe |
| amino acid | acyl | OH | OH | OEt |
| amino acid | acyl | OH | OH | O-cyclopropyl |
| amino acid | acyl | OH | OH | O-acetyl |
| amino acid | acyl | OH | OH | SH |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| amino acid | acyl | OH | OH | SMe |
| amino acid | acyl | OH | OH | SEt |
| amino acid | acyl | OH | OH | S-cyclopropyl |
| amino acid | acyl | OH | OH | F |
| amino acid | acyl | OH | OH | Cl |
| amino acid | acyl | OH | OH | Br |
| amino acid | acyl | OH | OH | I |
| acyl | H | H | OH | H |
| acyl | H | H | OH | NH ₂ |
| acyl | H | H | OH | NH-cyclopropyl |
| acyl | H | H | OH | NH-methyl |
| acyl | H | H | OH | NH-ethyl |
| acyl | H | H | OH | NH-acetyl |
| acyl | H | H | OH | OH |
| acyl | H | H | OH | OMe |
| acyl | H | H | OH | OEt |
| acyl | H | H | OH | O-cyclopropyl |
| acyl | H | H | OH | O-acetyl |
| acyl | H | H | OH | SH |
| acyl | H | H | OH | SMe |
| acyl | H | H | OH | SEt |
| acyl | H | H | OH | S-cyclopropyl |
| acyl | H | H | OH | F |
| acyl | H | H | OH | Cl |
| acyl | H | H | OH | Br |
| acyl | H | H | OH | I |
| acyl | acyl | H | OH | H |
| acyl | acyl | H | OH | NH ₂ |
| acyl | acyl | H | OH | NH-cyclopropyl |
| acyl | acyl | H | OH | NH-methyl |
| acyl | acyl | H | OH | NH-ethyl |
| acyl | acyl | H | OH | NH-acetyl |
| acyl | acyl | H | OH | OH |
| acyl | acyl | H | OH | OMe |
| acyl | acyl | H | OH | OEt |
| acyl | acyl | H | OH | O-cyclopropyl |
| acyl | acyl | H | OH | O-acetyl |
| acyl | acyl | H | OH | SH |
| acyl | acyl | H | OH | SMe |
| acyl | acyl | H | OH | SEt |
| acyl | acyl | H | OH | S-cyclopropyl |
| acyl | acyl | H | OH | F |
| acyl | acyl | H | OH | Cl |
| acyl | acyl | H | OH | Br |
| acyl | acyl | H | OH | I |
| acyl | amino acid | H | OH | H |
| acyl | amino acid | H | OH | NH ₂ |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| acyl | amino acid | H | OH | NH-cyclopropyl |
| acyl | amino acid | H | OH | NH-methyl |
| acyl | amino acid | H | OH | NH-ethyl |
| acyl | amino acid | H | OH | NH-acetyl |
| acyl | amino acid | H | OH | OH |
| acyl | amino acid | H | OH | OMe |
| acyl | amino acid | H | OH | OEt |
| acyl | amino acid | H | OH | O-cyclopropyl |
| acyl | amino acid | H | OH | O-acetyl |
| acyl | amino acid | H | OH | SH |
| acyl | amino acid | H | OH | SMe |
| acyl | amino acid | H | OH | SEt |
| acyl | amino acid | H | OH | S-cyclopropyl |
| acyl | amino acid | H | OH | F |
| acyl | amino acid | H | OH | Cl |
| acyl | amino acid | H | OH | Br |
| acyl | amino acid | H | OH | I |
| H | acyl | H | OH | H |
| H | acyl | H | OH | NH ₂ |
| H | acyl | H | OH | NH-cyclopropyl |
| H | acyl | H | OH | NH-methyl |
| H | acyl | H | OH | NH-ethyl |
| H | acyl | H | OH | NH-acetyl |
| H | acyl | H | OH | OH |
| H | acyl | H | OH | OMe |
| H | acyl | H | OH | OEt |
| H | acyl | H | OH | O-cyclopropyl |
| H | acyl | H | OH | O-acetyl |
| H | acyl | H | OH | SH |
| H | acyl | H | OH | SMe |
| H | acyl | H | OH | SEt |
| H | acyl | H | OH | S-cyclopropyl |
| H | acyl | H | OH | F |
| H | acyl | H | OH | Cl |
| H | acyl | H | OH | Br |
| H | acyl | H | OH | I |
| H | amino acid | H | OH | H |
| H | amino acid | H | OH | NH ₂ |
| H | amino acid | H | OH | NH-cyclopropyl |
| H | amino acid | H | OH | NH-methyl |
| H | amino acid | H | OH | NH-ethyl |
| H | amino acid | H | OH | NH-acetyl |
| H | amino acid | H | OH | OH |
| H | amino acid | H | OH | OMe |
| H | amino acid | H | OH | OEt |
| H | amino acid | H | OH | O-cyclopropyl |
| H | amino acid | H | OH | O-acetyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| H | amino acid | H | OH | SH |
| H | amino acid | H | OH | SMe |
| H | amino acid | H | OH | SEt |
| H | amino acid | H | OH | S-cyclopropyl |
| H | amino acid | H | OH | F |
| H | amino acid | H | OH | Cl |
| H | amino acid | H | OH | Br |
| H | amino acid | H | OH | I |
| amino acid | amino acid | H | OH | H |
| amino acid | amino acid | H | OH | NH ₂ |
| amino acid | amino acid | H | OH | NH-cyclopropyl |
| amino acid | amino acid | H | OH | NH-methyl |
| amino acid | amino acid | H | OH | NH-ethyl |
| amino acid | amino acid | H | OH | NH-acetyl |
| amino acid | amino acid | H | OH | OH |
| amino acid | amino acid | H | OH | OMe |
| amino acid | amino acid | H | OH | OEt |
| amino acid | amino acid | H | OH | O-cyclopropyl |
| amino acid | amino acid | H | OH | O-acetyl |
| amino acid | amino acid | H | OH | SH |
| amino acid | amino acid | H | OH | SMe |
| amino acid | amino acid | H | OH | SEt |
| amino acid | amino acid | H | OH | S-cyclopropyl |
| amino acid | amino acid | H | OH | F |
| amino acid | amino acid | H | OH | Cl |
| amino acid | amino acid | H | OH | Br |
| amino acid | amino acid | H | OH | I |
| amino acid | H | H | OH | H |
| amino acid | H | H | OH | NH ₂ |
| amino acid | H | H | OH | NH-cyclopropyl |
| amino acid | H | H | OH | NH-methyl |
| amino acid | H | H | OH | NH-ethyl |
| amino acid | H | H | OH | NH-acetyl |
| amino acid | H | H | OH | OH |
| amino acid | H | H | OH | OMe |
| amino acid | H | H | OH | OEt |
| amino acid | H | H | OH | O-cyclopropyl |
| amino acid | H | H | OH | O-acetyl |
| amino acid | H | H | OH | SH |
| amino acid | H | H | OH | SMe |
| amino acid | H | H | OH | SEt |
| amino acid | H | H | OH | S-cyclopropyl |
| amino acid | H | H | OH | F |
| amino acid | H | H | OH | Cl |
| amino acid | H | H | OH | Br |
| amino acid | H | H | OH | I |
| amino acid | acyl | H | OH | H |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| amino acid | acyl | H | OH | NH ₂ |
| amino acid | acyl | H | OH | NH-cyclopropyl |
| amino acid | acyl | H | OH | NH-methyl |
| amino acid | acyl | H | OH | NH-ethyl |
| amino acid | acyl | H | OH | NH-acetyl |
| amino acid | acyl | H | OH | OH |
| amino acid | acyl | H | OH | OMe |
| amino acid | acyl | H | OH | OEt |
| amino acid | acyl | H | OH | O-cyclopropyl |
| amino acid | acyl | H | OH | O-acetyl |
| amino acid | acyl | H | OH | SH |
| amino acid | acyl | H | OH | SMe |
| amino acid | acyl | H | OH | SEt |
| amino acid | acyl | H | OH | S-cyclopropyl |
| amino acid | acyl | H | OH | F |
| amino acid | acyl | H | OH | Cl |
| amino acid | acyl | H | OH | Br |
| amino acid | acyl | H | OH | I |
| acyl | H | OH | SH | H |
| acyl | H | OH | SH | NH ₂ |
| acyl | H | OH | SH | NH-cyclopropyl |
| acyl | H | OH | SH | NH-methyl |
| acyl | H | OH | SH | NH-ethyl |
| acyl | H | OH | SH | NH-acetyl |
| acyl | H | OH | SH | OH |
| acyl | H | OH | SH | OMe |
| acyl | H | OH | SH | OEt |
| acyl | H | OH | SH | O-cyclopropyl |
| acyl | H | OH | SH | O-acetyl |
| acyl | H | OH | SH | SH |
| acyl | H | OH | SH | SMe |
| acyl | H | OH | SH | SEt |
| acyl | H | OH | SH | S-cyclopropyl |
| acyl | H | OH | SH | F |
| acyl | H | OH | SH | Cl |
| acyl | H | OH | SH | Br |
| acyl | H | OH | SH | I |
| acyl | acyl | OH | SH | H |
| acyl | acyl | OH | SH | NH ₂ |
| acyl | acyl | OH | SH | NH-cyclopropyl |
| acyl | acyl | OH | SH | NH-methyl |
| acyl | acyl | OH | SH | NH-ethyl |
| acyl | acyl | OH | SH | NH-acetyl |
| acyl | acyl | OH | SH | OH |
| acyl | acyl | OH | SH | OMe |
| acyl | acyl | OH | SH | OEt |
| acyl | acyl | OH | SH | O-cyclopropyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| acyl | acyl | OH | SH | O-acetyl |
| acyl | acyl | OH | SH | SH |
| acyl | acyl | OH | SH | SMe |
| acyl | acyl | OH | SH | SEt |
| acyl | acyl | OH | SH | S-cyclopropyl |
| acyl | acyl | OH | SH | F |
| acyl | acyl | OH | SH | Cl |
| acyl | acyl | OH | SH | Br |
| acyl | acyl | OH | SH | I |
| acyl | amino acid | OH | SH | H |
| acyl | amino acid | OH | SH | NH ₂ |
| acyl | amino acid | OH | SH | NH-cyclopropyl |
| acyl | amino acid | OH | SH | NH-methyl |
| acyl | amino acid | OH | SH | NH-ethyl |
| acyl | amino acid | OH | SH | NH-acetyl |
| acyl | amino acid | OH | SH | OH |
| acyl | amino acid | OH | SH | OMe |
| acyl | amino acid | OH | SH | OEt |
| acyl | amino acid | OH | SH | O-cyclopropyl |
| acyl | amino acid | OH | SH | O-acetyl |
| acyl | amino acid | OH | SH | SH |
| acyl | amino acid | OH | SH | SMe |
| acyl | amino acid | OH | SH | SEt |
| acyl | amino acid | OH | SH | S-cyclopropyl |
| acyl | amino acid | OH | SH | F |
| acyl | amino acid | OH | SH | Cl |
| acyl | amino acid | OH | SH | Br |
| acyl | amino acid | OH | SH | I |
| H | acyl | OH | SH | H |
| H | acyl | OH | SH | NH ₂ |
| H | acyl | OH | SH | NH-cyclopropyl |
| H | acyl | OH | SH | NH-methyl |
| H | acyl | OH | SH | NH-ethyl |
| H | acyl | OH | SH | NH-acetyl |
| H | acyl | OH | SH | OH |
| H | acyl | OH | SH | OMe |
| H | acyl | OH | SH | OEt |
| H | acyl | OH | SH | O-cyclopropyl |
| H | acyl | OH | SH | O-acetyl |
| H | acyl | OH | SH | SH |
| H | acyl | OH | SH | SMe |
| H | acyl | OH | SH | SEt |
| H | acyl | OH | SH | S-cyclopropyl |
| H | acyl | OH | SH | F |
| H | acyl | OH | SH | Cl |
| H | acyl | OH | SH | Br |
| H | acyl | OH | SH | I |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| H | amino acid | OH | SH | H |
| H | amino acid | OH | SH | NH ₂ |
| H | amino acid | OH | SH | NH-cyclopropyl |
| H | amino acid | OH | SH | NH-methyl |
| H | amino acid | OH | SH | NH-ethyl |
| H | amino acid | OH | SH | NH-acetyl |
| H | amino acid | OH | SH | OH |
| H | amino acid | OH | SH | OMe |
| H | amino acid | OH | SH | OEt |
| H | amino acid | OH | SH | O-cyclopropyl |
| H | amino acid | OH | SH | O-acetyl |
| H | amino acid | OH | SH | SH |
| H | amino acid | OH | SH | SMe |
| H | amino acid | OH | SH | SEt |
| H | amino acid | OH | SH | S-cyclopropyl |
| H | amino acid | OH | SH | F |
| H | amino acid | OH | SH | Cl |
| H | amino acid | OH | SH | Br |
| H | amino acid | OH | SH | I |
| amino acid | amino acid | OH | SH | H |
| amino acid | amino acid | OH | SH | NH ₂ |
| amino acid | amino acid | OH | SH | NH-cyclopropyl |
| amino acid | amino acid | OH | SH | NH-methyl |
| amino acid | amino acid | OH | SH | NH-ethyl |
| amino acid | amino acid | OH | SH | NH-acetyl |
| amino acid | amino acid | OH | SH | OH |
| amino acid | amino acid | OH | SH | OMe |
| amino acid | amino acid | OH | SH | OEt |
| amino acid | amino acid | OH | SH | O-cyclopropyl |
| amino acid | amino acid | OH | SH | O-acetyl |
| amino acid | amino acid | OH | SH | SH |
| amino acid | amino acid | OH | SH | SMe |
| amino acid | amino acid | OH | SH | SEt |
| amino acid | amino acid | OH | SH | S-cyclopropyl |
| amino acid | amino acid | OH | SH | F |
| amino acid | amino acid | OH | SH | Cl |
| amino acid | amino acid | OH | SH | Br |
| amino acid | amino acid | OH | SH | I |
| amino acid | H | OH | SH | H |
| amino acid | H | OH | SH | NH ₂ |
| amino acid | H | OH | SH | NH-cyclopropyl |
| amino acid | H | OH | SH | NH-methyl |
| amino acid | H | OH | SH | NH-ethyl |
| amino acid | H | OH | SH | NH-acetyl |
| amino acid | H | OH | SH | OH |
| amino acid | H | OH | SH | OMe |
| amino acid | H | OH | SH | OEt |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| amino acid | H | OH | SH | O-cyclopropyl |
| amino acid | H | OH | SH | O-acetyl |
| amino acid | H | OH | SH | SH |
| amino acid | H | OH | SH | SMe |
| amino acid | H | OH | SH | SEt |
| amino acid | H | OH | SH | S-cyclopropyl |
| amino acid | H | OH | SH | F |
| amino acid | H | OH | SH | Cl |
| amino acid | H | OH | SH | Br |
| amino acid | H | OH | SH | I |
| amino acid | acyl | OH | SH | H |
| amino acid | acyl | OH | SH | NH ₂ |
| amino acid | acyl | OH | SH | NH-cyclopropyl |
| amino acid | acyl | OH | SH | NH-methyl |
| amino acid | acyl | OH | SH | NH-ethyl |
| amino acid | acyl | OH | SH | NH-acetyl |
| amino acid | acyl | OH | SH | OH |
| amino acid | acyl | OH | SH | OMe |
| amino acid | acyl | OH | SH | OEt |
| amino acid | acyl | OH | SH | O-cyclopropyl |
| amino acid | acyl | OH | SH | O-acetyl |
| amino acid | acyl | OH | SH | SH |
| amino acid | acyl | OH | SH | SMe |
| amino acid | acyl | OH | SH | SEt |
| amino acid | acyl | OH | SH | S-cyclopropyl |
| amino acid | acyl | OH | SH | F |
| amino acid | acyl | OH | SH | Cl |
| amino acid | acyl | OH | SH | Br |
| amino acid | acyl | OH | SH | I |
| acyl | H | SH | OH | H |
| acyl | H | SH | OH | NH ₂ |
| acyl | H | SH | OH | NH-cyclopropyl |
| acyl | H | SH | OH | NH-methyl |
| acyl | H | SH | OH | NH-ethyl |
| acyl | H | SH | OH | NH-acetyl |
| acyl | H | SH | OH | OH |
| acyl | H | SH | OH | OMe |
| acyl | H | SH | OH | OEt |
| acyl | H | SH | OH | O-cyclopropyl |
| acyl | H | SH | OH | O-acetyl |
| acyl | H | SH | OH | SH |
| acyl | H | SH | OH | SMe |
| acyl | H | SH | OH | SEt |
| acyl | H | SH | OH | S-cyclopropyl |
| acyl | H | SH | OH | F |
| acyl | H | SH | OH | Cl |
| acyl | H | SH | OH | Br |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| acyl | H | SH | OH | I |
| acyl | acyl | SH | OH | H |
| acyl | acyl | SH | OH | NH ₂ |
| acyl | acyl | SH | OH | NH-cyclopropyl |
| acyl | acyl | SH | OH | NH-methyl |
| acyl | acyl | SH | OH | NH-ethyl |
| acyl | acyl | SH | OH | NH-acetyl |
| acyl | acyl | SH | OH | OH |
| acyl | acyl | SH | OH | OMe |
| acyl | acyl | SH | OH | OEt |
| acyl | acyl | SH | OH | O-cyclopropyl |
| acyl | acyl | SH | OH | O-acetyl |
| acyl | acyl | SH | OH | SH |
| acyl | acyl | SH | OH | SMe |
| acyl | acyl | SH | OH | SEt |
| acyl | acyl | SH | OH | S-cyclopropyl |
| acyl | acyl | SH | OH | F |
| acyl | acyl | SH | OH | Cl |
| acyl | acyl | SH | OH | Br |
| acyl | acyl | SH | OH | I |
| acyl | amino acid | SH | OH | H |
| acyl | amino acid | SH | OH | NH ₂ |
| acyl | amino acid | SH | OH | NH-cyclopropyl |
| acyl | amino acid | SH | OH | NH-methyl |
| acyl | amino acid | SH | OH | NH-ethyl |
| acyl | amino acid | SH | OH | NH-acetyl |
| acyl | amino acid | SH | OH | OH |
| acyl | amino acid | SH | OH | OMe |
| acyl | amino acid | SH | OH | OEt |
| acyl | amino acid | SH | OH | O-cyclopropyl |
| acyl | amino acid | SH | OH | O-acetyl |
| acyl | amino acid | SH | OH | SH |
| acyl | amino acid | SH | OH | SMe |
| acyl | amino acid | SH | OH | SEt |
| acyl | amino acid | SH | OH | S-cyclopropyl |
| acyl | amino acid | SH | OH | F |
| acyl | amino acid | SH | OH | Cl |
| acyl | amino acid | SH | OH | Br |
| acyl | amino acid | SH | OH | I |
| H | acyl | SH | OH | H |
| H | acyl | SH | OH | NH ₂ |
| H | acyl | SH | OH | NH-cyclopropyl |
| H | acyl | SH | OH | NH-methyl |
| H | acyl | SH | OH | NH-ethyl |
| H | acyl | SH | OH | NH-acetyl |
| H | acyl | SH | OH | OH |
| H | acyl | SH | OH | OMe |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| H | acyl | SH | OH | OEt |
| H | acyl | SH | OH | O-cyclopropyl |
| H | acyl | SH | OH | O-acetyl |
| H | acyl | SH | OH | SH |
| H | acyl | SH | OH | SMe |
| H | acyl | SH | OH | SEt |
| H | acyl | SH | OH | S-cyclopropyl |
| H | acyl | SH | OH | F |
| H | acyl | SH | OH | Cl |
| H | acyl | SH | OH | Br |
| H | acyl | SH | OH | I |
| H | amino acid | SH | OH | H |
| H | amino acid | SH | OH | NH ₂ |
| H | amino acid | SH | OH | NH-cyclopropyl |
| H | amino acid | SH | OH | NH-methyl |
| H | amino acid | SH | OH | NH-ethyl |
| H | amino acid | SH | OH | NH-acetyl |
| H | amino acid | SH | OH | OH |
| H | amino acid | SH | OH | OMe |
| H | amino acid | SH | OH | OEt |
| H | amino acid | SH | OH | O-cyclopropyl |
| H | amino acid | SH | OH | O-acetyl |
| H | amino acid | SH | OH | SH |
| H | amino acid | SH | OH | SMe |
| H | amino acid | SH | OH | SEt |
| H | amino acid | SH | OH | S-cyclopropyl |
| H | amino acid | SH | OH | F |
| H | amino acid | SH | OH | Cl |
| H | amino acid | SH | OH | Br |
| H | amino acid | SH | OH | I |
| amino acid | amino acid | SH | OH | H |
| amino acid | amino acid | SH | OH | NH ₂ |
| amino acid | amino acid | SH | OH | NH-cyclopropyl |
| amino acid | amino acid | SH | OH | NH-methyl |
| amino acid | amino acid | SH | OH | NH-ethyl |
| amino acid | amino acid | SH | OH | NH-acetyl |
| amino acid | amino acid | SH | OH | OH |
| amino acid | amino acid | SH | OH | OMe |
| amino acid | amino acid | SH | OH | OEt |
| amino acid | amino acid | SH | OH | O-cyclopropyl |
| amino acid | amino acid | SH | OH | O-acetyl |
| amino acid | amino acid | SH | OH | SH |
| amino acid | amino acid | SH | OH | SMe |
| amino acid | amino acid | SH | OH | SEt |
| amino acid | amino acid | SH | OH | S-cyclopropyl |
| amino acid | amino acid | SH | OH | F |
| amino acid | amino acid | SH | OH | Cl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| amino acid | amino acid | SH | OH | Br |
| amino acid | amino acid | SH | OH | I |
| amino acid | H | SH | OH | H |
| amino acid | H | SH | OH | NH ₂ |
| amino acid | H | SH | OH | NH-cyclopropyl |
| amino acid | H | SH | OH | NH-methyl |
| amino acid | H | SH | OH | NH-ethyl |
| amino acid | H | SH | OH | NH-acetyl |
| amino acid | H | SH | OH | OH |
| amino acid | H | SH | OH | OMe |
| amino acid | H | SH | OH | OEt |
| amino acid | H | SH | OH | O-cyclopropyl |
| amino acid | H | SH | OH | O-acetyl |
| amino acid | H | SH | OH | SH |
| amino acid | H | SH | OH | SMe |
| amino acid | H | SH | OH | SEt |
| amino acid | H | SH | OH | S-cyclopropyl |
| amino acid | H | SH | OH | F |
| amino acid | H | SH | OH | Cl |
| amino acid | H | SH | OH | Br |
| amino acid | H | SH | OH | I |
| amino acid | acyl | SH | OH | H |
| amino acid | acyl | SH | OH | NH ₂ |
| amino acid | acyl | SH | OH | NH-cyclopropyl |
| amino acid | acyl | SH | OH | NH-methyl |
| amino acid | acyl | SH | OH | NH-ethyl |
| amino acid | acyl | SH | OH | NH-acetyl |
| amino acid | acyl | SH | OH | OH |
| amino acid | acyl | SH | OH | OMe |
| amino acid | acyl | SH | OH | OEt |
| amino acid | acyl | SH | OH | O-cyclopropyl |
| amino acid | acyl | SH | OH | O-acetyl |
| amino acid | acyl | SH | OH | SH |
| amino acid | acyl | SH | OH | SMe |
| amino acid | acyl | SH | OH | SEt |
| amino acid | acyl | SH | OH | S-cyclopropyl |
| amino acid | acyl | SH | OH | F |
| amino acid | acyl | SH | OH | Cl |
| amino acid | acyl | SH | OH | Br |
| amino acid | acyl | SH | OH | I |
| acyl | H | Br | H | H |
| acyl | H | Br | H | NH ₂ |
| acyl | H | Br | H | NH-cyclopropyl |
| acyl | H | Br | H | NH-methyl |
| acyl | H | Br | H | NH-ethyl |
| acyl | H | Br | H | NH-acetyl |
| acyl | H | Br | H | OH |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| acyl | H | Br | H | OMe |
| acyl | H | Br | H | OEt |
| acyl | H | Br | H | O-cyclopropyl |
| acyl | H | Br | H | O-acetyl |
| acyl | H | Br | H | SH |
| acyl | H | Br | H | SMe |
| acyl | H | Br | H | SEt |
| acyl | H | Br | H | S-cyclopropyl |
| acyl | H | Br | H | F |
| acyl | H | Br | H | Cl |
| acyl | H | Br | H | Br |
| acyl | H | Br | H | I |
| acyl | acyl | Br | H | H |
| acyl | acyl | Br | H | NH ₂ |
| acyl | acyl | Br | H | NH-cyclopropyl |
| acyl | acyl | Br | H | NH-methyl |
| acyl | acyl | Br | H | NH-ethyl |
| acyl | acyl | Br | H | NH-acetyl |
| acyl | acyl | Br | H | OH |
| acyl | acyl | Br | H | OMe |
| acyl | acyl | Br | H | OEt |
| acyl | acyl | Br | H | O-cyclopropyl |
| acyl | acyl | Br | H | O-acetyl |
| acyl | acyl | Br | H | SH |
| acyl | acyl | Br | H | SMe |
| acyl | acyl | Br | H | SEt |
| acyl | acyl | Br | H | S-cyclopropyl |
| acyl | acyl | Br | H | F |
| acyl | acyl | Br | H | Cl |
| acyl | acyl | Br | H | Br |
| acyl | acyl | Br | H | I |
| acyl | amino acid | Br | H | H |
| acyl | amino acid | Br | H | NH ₂ |
| acyl | amino acid | Br | H | NH-cyclopropyl |
| acyl | amino acid | Br | H | NH-methyl |
| acyl | amino acid | Br | H | NH-ethyl |
| acyl | amino acid | Br | H | NH-acetyl |
| acyl | amino acid | Br | H | OH |
| acyl | amino acid | Br | H | OMe |
| acyl | amino acid | Br | H | OEt |
| acyl | amino acid | Br | H | O-cyclopropyl |
| acyl | amino acid | Br | H | O-acetyl |
| acyl | amino acid | Br | H | SH |
| acyl | amino acid | Br | H | SMe |
| acyl | amino acid | Br | H | SEt |
| acyl | amino acid | Br | H | S-cyclopropyl |
| acyl | amino acid | Br | H | F |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| acyl | amino acid | Br | H | Cl |
| acyl | amino acid | Br | H | Br |
| acyl | amino acid | Br | H | I |
| H | acyl | Br | H | H |
| H | acyl | Br | H | NH ₂ |
| H | acyl | Br | H | NH-cyclopropyl |
| H | acyl | Br | H | NH-methyl |
| H | acyl | Br | H | NH-ethyl |
| H | acyl | Br | H | NH-acetyl |
| H | acyl | Br | H | OH |
| H | acyl | Br | H | OMe |
| H | acyl | Br | H | OEt |
| H | acyl | Br | H | O-cyclopropyl |
| H | acyl | Br | H | O-acetyl |
| H | acyl | Br | H | SH |
| H | acyl | Br | H | SMe |
| H | acyl | Br | H | SEt |
| H | acyl | Br | H | S-cyclopropyl |
| H | acyl | Br | H | F |
| H | acyl | Br | H | Cl |
| H | acyl | Br | H | Br |
| H | acyl | Br | H | I |
| H | amino acid | Br | H | H |
| H | amino acid | Br | H | NH ₂ |
| H | amino acid | Br | H | NH-cyclopropyl |
| H | amino acid | Br | H | NH-methyl |
| H | amino acid | Br | H | NH-ethyl |
| H | amino acid | Br | H | NH-acetyl |
| H | amino acid | Br | H | OH |
| H | amino acid | Br | H | OMe |
| H | amino acid | Br | H | OEt |
| H | amino acid | Br | H | O-cyclopropyl |
| H | amino acid | Br | H | O-acetyl |
| H | amino acid | Br | H | SH |
| H | amino acid | Br | H | SMe |
| H | amino acid | Br | H | SEt |
| H | amino acid | Br | H | S-cyclopropyl |
| H | amino acid | Br | H | F |
| H | amino acid | Br | H | Cl |
| H | amino acid | Br | H | Br |
| H | amino acid | Br | H | I |
| amino acid | amino acid | Br | H | H |
| amino acid | amino acid | Br | H | NH ₂ |
| amino acid | amino acid | Br | H | NH-cyclopropyl |
| amino acid | amino acid | Br | H | NH-methyl |
| amino acid | amino acid | Br | H | NH-ethyl |
| amino acid | amino acid | Br | H | NH-acetyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| amino acid | amino acid | Br | H | OH |
| amino acid | amino acid | Br | H | OMe |
| amino acid | amino acid | Br | H | OEt |
| amino acid | amino acid | Br | H | O-cyclopropyl |
| amino acid | amino acid | Br | H | O-acetyl |
| amino acid | amino acid | Br | H | SH |
| amino acid | amino acid | Br | H | SMe |
| amino acid | amino acid | Br | H | SEt |
| amino acid | amino acid | Br | H | S-cyclopropyl |
| amino acid | amino acid | Br | H | F |
| amino acid | amino acid | Br | H | Cl |
| amino acid | amino acid | Br | H | Br |
| amino acid | amino acid | Br | H | I |
| amino acid | H | Br | H | H |
| amino acid | H | Br | H | NH ₂ |
| amino acid | H | Br | H | NH-cyclopropyl |
| amino acid | H | Br | H | NH-methyl |
| amino acid | H | Br | H | NH-ethyl |
| amino acid | H | Br | H | NH-acetyl |
| amino acid | H | Br | H | OH |
| amino acid | H | Br | H | OMe |
| amino acid | H | Br | H | OEt |
| amino acid | H | Br | H | O-cyclopropyl |
| amino acid | H | Br | H | O-acetyl |
| amino acid | H | Br | H | SH |
| amino acid | H | Br | H | SMe |
| amino acid | H | Br | H | SEt |
| amino acid | H | Br | H | S-cyclopropyl |
| amino acid | H | Br | H | F |
| amino acid | H | Br | H | Cl |
| amino acid | H | Br | H | Br |
| amino acid | H | Br | H | I |
| amino acid | acyl | Br | H | H |
| amino acid | acyl | Br | H | NH ₂ |
| amino acid | acyl | Br | H | NH-cyclopropyl |
| amino acid | acyl | Br | H | NH-methyl |
| amino acid | acyl | Br | H | NH-ethyl |
| amino acid | acyl | Br | H | NH-acetyl |
| amino acid | acyl | Br | H | OH |
| amino acid | acyl | Br | H | OMe |
| amino acid | acyl | Br | H | OEt |
| amino acid | acyl | Br | H | O-cyclopropyl |
| amino acid | acyl | Br | H | O-acetyl |
| amino acid | acyl | Br | H | SH |
| amino acid | acyl | Br | H | SMe |
| amino acid | acyl | Br | H | SEt |
| amino acid | acyl | Br | H | S-cyclopropyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| amino acid | acyl | Br | H | F |
| amino acid | acyl | Br | H | Cl |
| amino acid | acyl | Br | H | Br |
| amino acid | acyl | Br | H | I |
| acyl | H | Br | Br | H |
| acyl | H | Br | Br | NH ₂ |
| acyl | H | Br | Br | NH-cyclopropyl |
| acyl | H | Br | Br | NH-methyl |
| acyl | H | Br | Br | NH-ethyl |
| acyl | H | Br | Br | NH-acetyl |
| acyl | H | Br | Br | OH |
| acyl | H | Br | Br | OMe |
| acyl | H | Br | Br | OEt |
| acyl | H | Br | Br | O-cyclopropyl |
| acyl | H | Br | Br | O-acetyl |
| acyl | H | Br | Br | SH |
| acyl | H | Br | Br | SMe |
| acyl | H | Br | Br | SEt |
| acyl | H | Br | Br | S-cyclopropyl |
| acyl | H | Br | Br | F |
| acyl | H | Br | Br | Cl |
| acyl | H | Br | Br | Br |
| acyl | H | Br | Br | I |
| acyl | acyl | Br | Br | H |
| acyl | acyl | Br | Br | NH ₂ |
| acyl | acyl | Br | Br | NH-cyclopropyl |
| acyl | acyl | Br | Br | NH-methyl |
| acyl | acyl | Br | Br | NH-ethyl |
| acyl | acyl | Br | Br | NH-acetyl |
| acyl | acyl | Br | Br | OH |
| acyl | acyl | Br | Br | OMe |
| acyl | acyl | Br | Br | OEt |
| acyl | acyl | Br | Br | O-cyclopropyl |
| acyl | acyl | Br | Br | O-acetyl |
| acyl | acyl | Br | Br | SH |
| acyl | acyl | Br | Br | SMe |
| acyl | acyl | Br | Br | SEt |
| acyl | acyl | Br | Br | S-cyclopropyl |
| acyl | acyl | Br | Br | F |
| acyl | acyl | Br | Br | Cl |
| acyl | acyl | Br | Br | Br |
| acyl | acyl | Br | Br | I |
| acyl | amino acid | Br | Br | H |
| acyl | amino acid | Br | Br | NH ₂ |
| acyl | amino acid | Br | Br | NH-cyclopropyl |
| acyl | amino acid | Br | Br | NH-methyl |
| acyl | amino acid | Br | Br | NH-ethyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| acyl | amino acid | Br | Br | NH-acetyl |
| acyl | amino acid | Br | Br | OH |
| acyl | amino acid | Br | Br | OMe |
| acyl | amino acid | Br | Br | OEt |
| acyl | amino acid | Br | Br | O-cyclopropyl |
| acyl | amino acid | Br | Br | O-acetyl |
| acyl | amino acid | Br | Br | SH |
| acyl | amino acid | Br | Br | SMe |
| acyl | amino acid | Br | Br | SEt |
| acyl | amino acid | Br | Br | S-cyclopropyl |
| acyl | amino acid | Br | Br | F |
| acyl | amino acid | Br | Br | Cl |
| acyl | amino acid | Br | Br | Br |
| acyl | amino acid | Br | Br | I |
| H | acyl | Br | Br | H |
| H | acyl | Br | Br | NH ₂ |
| H | acyl | Br | Br | NH-cyclopropyl |
| H | acyl | Br | Br | NH-methyl |
| H | acyl | Br | Br | NH-ethyl |
| H | acyl | Br | Br | NH-acetyl |
| H | acyl | Br | Br | OH |
| H | acyl | Br | Br | OMe |
| H | acyl | Br | Br | OEt |
| H | acyl | Br | Br | O-cyclopropyl |
| H | acyl | Br | Br | O-acetyl |
| H | acyl | Br | Br | SH |
| H | acyl | Br | Br | SMe |
| H | acyl | Br | Br | SEt |
| H | acyl | Br | Br | S-cyclopropyl |
| H | acyl | Br | Br | F |
| H | acyl | Br | Br | Cl |
| H | acyl | Br | Br | Br |
| H | acyl | Br | Br | I |
| H | amino acid | Br | Br | H |
| H | amino acid | Br | Br | NH ₂ |
| H | amino acid | Br | Br | NH-cyclopropyl |
| H | amino acid | Br | Br | NH-methyl |
| H | amino acid | Br | Br | NH-ethyl |
| H | amino acid | Br | Br | NH-acetyl |
| H | amino acid | Br | Br | OH |
| H | amino acid | Br | Br | OMe |
| H | amino acid | Br | Br | OEt |
| H | amino acid | Br | Br | O-cyclopropyl |
| H | amino acid | Br | Br | O-acetyl |
| H | amino acid | Br | Br | SH |
| H | amino acid | Br | Br | SMe |
| H | amino acid | Br | Br | SEt |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| H | amino acid | Br | Br | S-cyclopropyl |
| H | amino acid | Br | Br | F |
| H | amino acid | Br | Br | Cl |
| H | amino acid | Br | Br | Br |
| H | amino acid | Br | Br | I |
| amino acid | amino acid | Br | Br | H |
| amino acid | amino acid | Br | Br | NH ₂ |
| amino acid | amino acid | Br | Br | NH-cyclopropyl |
| amino acid | amino acid | Br | Br | NH-methyl |
| amino acid | amino acid | Br | Br | NH-ethyl |
| amino acid | amino acid | Br | Br | NH-acetyl |
| amino acid | amino acid | Br | Br | OH |
| amino acid | amino acid | Br | Br | OMe |
| amino acid | amino acid | Br | Br | OEt |
| amino acid | amino acid | Br | Br | O-cyclopropyl |
| amino acid | amino acid | Br | Br | O-acetyl |
| amino acid | amino acid | Br | Br | SH |
| amino acid | amino acid | Br | Br | SMe |
| amino acid | amino acid | Br | Br | SEt |
| amino acid | amino acid | Br | Br | S-cyclopropyl |
| amino acid | amino acid | Br | Br | F |
| amino acid | amino acid | Br | Br | Cl |
| amino acid | amino acid | Br | Br | Br |
| amino acid | amino acid | Br | Br | I |
| amino acid | H | Br | Br | H |
| amino acid | H | Br | Br | NH ₂ |
| amino acid | H | Br | Br | NH-cyclopropyl |
| amino acid | H | Br | Br | NH-methyl |
| amino acid | H | Br | Br | NH-ethyl |
| amino acid | H | Br | Br | NH-acetyl |
| amino acid | H | Br | Br | OH |
| amino acid | H | Br | Br | OMe |
| amino acid | H | Br | Br | OEt |
| amino acid | H | Br | Br | O-cyclopropyl |
| amino acid | H | Br | Br | O-acetyl |
| amino acid | H | Br | Br | SH |
| amino acid | H | Br | Br | SMe |
| amino acid | H | Br | Br | SEt |
| amino acid | H | Br | Br | S-cyclopropyl |
| amino acid | H | Br | Br | F |
| amino acid | H | Br | Br | Cl |
| amino acid | H | Br | Br | Br |
| amino acid | H | Br | Br | I |
| amino acid | acyl | Br | Br | H |
| amino acid | acyl | Br | Br | NH ₂ |
| amino acid | acyl | Br | Br | NH-cyclopropyl |
| amino acid | acyl | Br | Br | NH-methyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| amino acid | acyl | Br | Br | NH-ethyl |
| amino acid | acyl | Br | Br | NH-acetyl |
| amino acid | acyl | Br | Br | OH |
| amino acid | acyl | Br | Br | OMe |
| amino acid | acyl | Br | Br | OEt |
| amino acid | acyl | Br | Br | O-cyclopropyl |
| amino acid | acyl | Br | Br | O-acetyl |
| amino acid | acyl | Br | Br | SH |
| amino acid | acyl | Br | Br | SMe |
| amino acid | acyl | Br | Br | SEt |
| amino acid | acyl | Br | Br | S-cyclopropyl |
| amino acid | acyl | Br | Br | F |
| amino acid | acyl | Br | Br | Cl |
| amino acid | acyl | Br | Br | Br |
| amino acid | acyl | Br | Br | I |
| acyl | H | H | Br | H |
| acyl | H | H | Br | NH ₂ |
| acyl | H | H | Br | NH-cyclopropyl |
| acyl | H | H | Br | NH-methyl |
| acyl | H | H | Br | NH-ethyl |
| acyl | H | H | Br | NH-acetyl |
| acyl | H | H | Br | OH |
| acyl | H | H | Br | OMe |
| acyl | H | H | Br | OEt |
| acyl | H | H | Br | O-cyclopropyl |
| acyl | H | H | Br | O-acetyl |
| acyl | H | H | Br | SH |
| acyl | H | H | Br | SMe |
| acyl | H | H | Br | SEt |
| acyl | H | H | Br | S-cyclopropyl |
| acyl | H | H | Br | F |
| acyl | H | H | Br | Cl |
| acyl | H | H | Br | Br |
| acyl | H | H | Br | I |
| acyl | acyl | H | Br | H |
| acyl | acyl | H | Br | NH ₂ |
| acyl | acyl | H | Br | NH-cyclopropyl |
| acyl | acyl | H | Br | NH-methyl |
| acyl | acyl | H | Br | NH-ethyl |
| acyl | acyl | H | Br | NH-acetyl |
| acyl | acyl | H | Br | OH |
| acyl | acyl | H | Br | OMe |
| acyl | acyl | H | Br | OEt |
| acyl | acyl | H | Br | O-cyclopropyl |
| acyl | acyl | H | Br | O-acetyl |
| acyl | acyl | H | Br | SH |
| acyl | acyl | H | Br | SMe |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| acyl | acyl | H | Br | SEt |
| acyl | acyl | H | Br | S-cyclopropyl |
| acyl | acyl | H | Br | F |
| acyl | acyl | H | Br | Cl |
| acyl | acyl | H | Br | Br |
| acyl | acyl | H | Br | I |
| acyl | amino acid | H | Br | H |
| acyl | amino acid | H | Br | NH ₂ |
| acyl | amino acid | H | Br | NH-cyclopropyl |
| acyl | amino acid | H | Br | NH-methyl |
| acyl | amino acid | H | Br | NH-ethyl |
| acyl | amino acid | H | Br | NH-acetyl |
| acyl | amino acid | H | Br | OH |
| acyl | amino acid | H | Br | OMe |
| acyl | amino acid | H | Br | OEt |
| acyl | amino acid | H | Br | O-cyclopropyl |
| acyl | amino acid | H | Br | O-acetyl |
| acyl | amino acid | H | Br | SH |
| acyl | amino acid | H | Br | SMe |
| acyl | amino acid | H | Br | SEt |
| acyl | amino acid | H | Br | S-cyclopropyl |
| acyl | amino acid | H | Br | F |
| acyl | amino acid | H | Br | Cl |
| acyl | amino acid | H | Br | Br |
| acyl | amino acid | H | Br | I |
| H | acyl | H | Br | H |
| H | acyl | H | Br | NH ₂ |
| H | acyl | H | Br | NH-cyclopropyl |
| H | acyl | H | Br | NH-methyl |
| H | acyl | H | Br | NH-ethyl |
| H | acyl | H | Br | NH-acetyl |
| H | acyl | H | Br | OH |
| H | acyl | H | Br | OMe |
| H | acyl | H | Br | OEt |
| H | acyl | H | Br | O-cyclopropyl |
| H | acyl | H | Br | O-acetyl |
| H | acyl | H | Br | SH |
| H | acyl | H | Br | SMe |
| H | acyl | H | Br | SEt |
| H | acyl | H | Br | S-cyclopropyl |
| H | acyl | H | Br | F |
| H | acyl | H | Br | Cl |
| H | acyl | H | Br | Br |
| H | acyl | H | Br | I |
| H | amino acid | H | Br | H |
| H | amino acid | H | Br | NH ₂ |
| H | amino acid | H | Br | NH-cyclopropyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| H | amino acid | H | Br | NH-methyl |
| H | amino acid | H | Br | NH-ethyl |
| H | amino acid | H | Br | NH-acetyl |
| H | amino acid | H | Br | OH |
| H | amino acid | H | Br | OMe |
| H | amino acid | H | Br | OEt |
| H | amino acid | H | Br | O-cyclopropyl |
| H | amino acid | H | Br | O-acetyl |
| H | amino acid | H | Br | SH |
| H | amino acid | H | Br | SMe |
| H | amino acid | H | Br | SEt |
| H | amino acid | H | Br | S-cyclopropyl |
| H | amino acid | H | Br | F |
| H | amino acid | H | Br | Cl |
| H | amino acid | H | Br | Br |
| H | amino acid | H | Br | I |
| amino acid | amino acid | H | Br | H |
| amino acid | amino acid | H | Br | NH ₂ |
| amino acid | amino acid | H | Br | NH-cyclopropyl |
| amino acid | amino acid | H | Br | NH-methyl |
| amino acid | amino acid | H | Br | NH-ethyl |
| amino acid | amino acid | H | Br | NH-acetyl |
| amino acid | amino acid | H | Br | OH |
| amino acid | amino acid | H | Br | OMe |
| amino acid | amino acid | H | Br | OEt |
| amino acid | amino acid | H | Br | O-cyclopropyl |
| amino acid | amino acid | H | Br | O-acetyl |
| amino acid | amino acid | H | Br | SH |
| amino acid | amino acid | H | Br | SMe |
| amino acid | amino acid | H | Br | SEt |
| amino acid | amino acid | H | Br | S-cyclopropyl |
| amino acid | amino acid | H | Br | F |
| amino acid | amino acid | H | Br | Cl |
| amino acid | amino acid | H | Br | Br |
| amino acid | amino acid | H | Br | I |
| amino acid | H | H | Br | H |
| amino acid | H | H | Br | NH ₂ |
| amino acid | H | H | Br | NH-cyclopropyl |
| amino acid | H | H | Br | NH-methyl |
| amino acid | H | H | Br | NH-ethyl |
| amino acid | H | H | Br | NH-acetyl |
| amino acid | H | H | Br | OH |
| amino acid | H | H | Br | OMe |
| amino acid | H | H | Br | OEt |
| amino acid | H | H | Br | O-cyclopropyl |
| amino acid | H | H | Br | O-acetyl |
| amino acid | H | H | Br | SH |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| amino acid | H | H | Br | SMe |
| amino acid | H | H | Br | SEt |
| amino acid | H | H | Br | S-cyclopropyl |
| amino acid | H | H | Br | F |
| amino acid | H | H | Br | Cl |
| amino acid | H | H | Br | Br |
| amino acid | H | H | Br | I |
| amino acid | acyl | H | Br | H |
| amino acid | acyl | H | Br | NH ₂ |
| amino acid | acyl | H | Br | NH-cyclopropyl |
| amino acid | acyl | H | Br | NH-methyl |
| amino acid | acyl | H | Br | NH-ethyl |
| amino acid | acyl | H | Br | NH-acetyl |
| amino acid | acyl | H | Br | OH |
| amino acid | acyl | H | Br | OMe |
| amino acid | acyl | H | Br | OEt |
| amino acid | acyl | H | Br | O-cyclopropyl |
| amino acid | acyl | H | Br | O-acetyl |
| amino acid | acyl | H | Br | SH |
| amino acid | acyl | H | Br | SMe |
| amino acid | acyl | H | Br | SEt |
| amino acid | acyl | H | Br | S-cyclopropyl |
| amino acid | acyl | H | Br | F |
| amino acid | acyl | H | Br | Cl |
| amino acid | acyl | H | Br | Br |
| amino acid | acyl | H | Br | I |
| acyl | H | Cl | Br | H |
| acyl | H | Cl | Br | NH ₂ |
| acyl | H | Cl | Br | NH-cyclopropyl |
| acyl | H | Cl | Br | NH-methyl |
| acyl | H | Cl | Br | NH-ethyl |
| acyl | H | Cl | Br | NH-acetyl |
| acyl | H | Cl | Br | OH |
| acyl | H | Cl | Br | OMe |
| acyl | H | Cl | Br | OEt |
| acyl | H | Cl | Br | O-cyclopropyl |
| acyl | H | Cl | Br | O-acetyl |
| acyl | H | Cl | Br | SH |
| acyl | H | Cl | Br | SMe |
| acyl | H | Cl | Br | SEt |
| acyl | H | Cl | Br | S-cyclopropyl |
| acyl | H | Cl | Br | F |
| acyl | H | Cl | Br | Cl |
| acyl | H | Cl | Br | Br |
| acyl | H | Cl | Br | I |
| acyl | acyl | Cl | Br | H |
| acyl | acyl | Cl | Br | NH ₂ |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| acyl | acyl | Cl | Br | NH-cyclopropyl |
| acyl | acyl | Cl | Br | NH-methyl |
| acyl | acyl | Cl | Br | NH-ethyl |
| acyl | acyl | Cl | Br | NH-acetyl |
| acyl | acyl | Cl | Br | OH |
| acyl | acyl | Cl | Br | OMe |
| acyl | acyl | Cl | Br | OEt |
| acyl | acyl | Cl | Br | O-cyclopropyl |
| acyl | acyl | Cl | Br | O-acetyl |
| acyl | acyl | Cl | Br | SH |
| acyl | acyl | Cl | Br | SMe |
| acyl | acyl | Cl | Br | SEt |
| acyl | acyl | Cl | Br | S-cyclopropyl |
| acyl | acyl | Cl | Br | F |
| acyl | acyl | Cl | Br | Cl |
| acyl | acyl | Cl | Br | Br |
| acyl | acyl | Cl | Br | I |
| acyl | amino acid | Cl | Br | H |
| acyl | amino acid | Cl | Br | NH ₂ |
| acyl | amino acid | Cl | Br | NH-cyclopropyl |
| acyl | amino acid | Cl | Br | NH-methyl |
| acyl | amino acid | Cl | Br | NH-ethyl |
| acyl | amino acid | Cl | Br | NH-acetyl |
| acyl | amino acid | Cl | Br | OH |
| acyl | amino acid | Cl | Br | OMe |
| acyl | amino acid | Cl | Br | OEt |
| acyl | amino acid | Cl | Br | O-cyclopropyl |
| acyl | amino acid | Cl | Br | O-acetyl |
| acyl | amino acid | Cl | Br | SH |
| acyl | amino acid | Cl | Br | SMe |
| acyl | amino acid | Cl | Br | SEt |
| acyl | amino acid | Cl | Br | S-cyclopropyl |
| acyl | amino acid | Cl | Br | F |
| acyl | amino acid | Cl | Br | Cl |
| acyl | amino acid | Cl | Br | Br |
| acyl | amino acid | Cl | Br | I |
| H | acyl | Cl | Br | H |
| H | acyl | Cl | Br | NH ₂ |
| H | acyl | Cl | Br | NH-cyclopropyl |
| H | acyl | Cl | Br | NH-methyl |
| H | acyl | Cl | Br | NH-ethyl |
| H | acyl | Cl | Br | NH-acetyl |
| H | acyl | Cl | Br | OH |
| H | acyl | Cl | Br | OMe |
| H | acyl | Cl | Br | OEt |
| H | acyl | Cl | Br | O-cyclopropyl |
| H | acyl | Cl | Br | O-acetyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| H | acyl | Cl | Br | SH |
| H | acyl | Cl | Br | SMe |
| H | acyl | Cl | Br | SEt |
| H | acyl | Cl | Br | S-cyclopropyl |
| H | acyl | Cl | Br | F |
| H | acyl | Cl | Br | Cl |
| H | acyl | Cl | Br | Br |
| H | acyl | Cl | Br | I |
| H | amino acid | Cl | Br | H |
| H | amino acid | Cl | Br | NH ₂ |
| H | amino acid | Cl | Br | NH-cyclopropyl |
| H | amino acid | Cl | Br | NH-methyl |
| H | amino acid | Cl | Br | NH-ethyl |
| H | amino acid | Cl | Br | NH-acetyl |
| H | amino acid | Cl | Br | OH |
| H | amino acid | Cl | Br | OMe |
| H | amino acid | Cl | Br | OEt |
| H | amino acid | Cl | Br | O-cyclopropyl |
| H | amino acid | Cl | Br | O-acetyl |
| H | amino acid | Cl | Br | SH |
| H | amino acid | Cl | Br | SMe |
| H | amino acid | Cl | Br | SEt |
| H | amino acid | Cl | Br | S-cyclopropyl |
| H | amino acid | Cl | Br | F |
| H | amino acid | Cl | Br | Cl |
| H | amino acid | Cl | Br | Br |
| H | amino acid | Cl | Br | I |
| amino acid | amino acid | Cl | Br | H |
| amino acid | amino acid | Cl | Br | NH ₂ |
| amino acid | amino acid | Cl | Br | NH-cyclopropyl |
| amino acid | amino acid | Cl | Br | NH-methyl |
| amino acid | amino acid | Cl | Br | NH-ethyl |
| amino acid | amino acid | Cl | Br | NH-acetyl |
| amino acid | amino acid | Cl | Br | OH |
| amino acid | amino acid | Cl | Br | OMe |
| amino acid | amino acid | Cl | Br | OEt |
| amino acid | amino acid | Cl | Br | O-cyclopropyl |
| amino acid | amino acid | Cl | Br | O-acetyl |
| amino acid | amino acid | Cl | Br | SH |
| amino acid | amino acid | Cl | Br | SMe |
| amino acid | amino acid | Cl | Br | SEt |
| amino acid | amino acid | Cl | Br | S-cyclopropyl |
| amino acid | amino acid | Cl | Br | F |
| amino acid | amino acid | Cl | Br | Cl |
| amino acid | amino acid | Cl | Br | Br |
| amino acid | amino acid | Cl | Br | I |
| amino acid | H | Cl | Br | H |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| amino acid | H | Cl | Br | NH ₂ |
| amino acid | H | Cl | Br | NH-cyclopropyl |
| amino acid | H | Cl | Br | NH-methyl |
| amino acid | H | Cl | Br | NH-ethyl |
| amino acid | H | Cl | Br | NH-acetyl |
| amino acid | H | Cl | Br | OH |
| amino acid | H | Cl | Br | OMe |
| amino acid | H | Cl | Br | OEt |
| amino acid | H | Cl | Br | O-cyclopropyl |
| amino acid | H | Cl | Br | O-acetyl |
| amino acid | H | Cl | Br | SH |
| amino acid | H | Cl | Br | SMe |
| amino acid | H | Cl | Br | SEt |
| amino acid | H | Cl | Br | S-cyclopropyl |
| amino acid | H | Cl | Br | F |
| amino acid | H | Cl | Br | Cl |
| amino acid | H | Cl | Br | Br |
| amino acid | H | Cl | Br | I |
| amino acid | acyl | Cl | Br | H |
| amino acid | acyl | Cl | Br | NH ₂ |
| amino acid | acyl | Cl | Br | NH-cyclopropyl |
| amino acid | acyl | Cl | Br | NH-methyl |
| amino acid | acyl | Cl | Br | NH-ethyl |
| amino acid | acyl | Cl | Br | NH-acetyl |
| amino acid | acyl | Cl | Br | OH |
| amino acid | acyl | Cl | Br | OMe |
| amino acid | acyl | Cl | Br | OEt |
| amino acid | acyl | Cl | Br | O-cyclopropyl |
| amino acid | acyl | Cl | Br | O-acetyl |
| amino acid | acyl | Cl | Br | SH |
| amino acid | acyl | Cl | Br | SMe |
| amino acid | acyl | Cl | Br | SEt |
| amino acid | acyl | Cl | Br | S-cyclopropyl |
| amino acid | acyl | Cl | Br | F |
| amino acid | acyl | Cl | Br | Cl |
| amino acid | acyl | Cl | Br | Br |
| amino acid | acyl | Cl | Br | I |
| acyl | H | Br | Cl | H |
| acyl | H | Br | Cl | NH ₂ |
| acyl | H | Br | Cl | NH-cyclopropyl |
| acyl | H | Br | Cl | NH-methyl |
| acyl | H | Br | Cl | NH-ethyl |
| acyl | H | Br | Cl | NH-acetyl |
| acyl | H | Br | Cl | OH |
| acyl | H | Br | Cl | OMe |
| acyl | H | Br | Cl | OEt |
| acyl | H | Br | Cl | O-cyclopropyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| acyl | H | Br | Cl | O-acetyl |
| acyl | H | Br | Cl | SH |
| acyl | H | Br | Cl | SMe |
| acyl | H | Br | Cl | SEt |
| acyl | H | Br | Cl | S-cyclopropyl |
| acyl | H | Br | Cl | F |
| acyl | H | Br | Cl | Cl |
| acyl | H | Br | Cl | Br |
| acyl | H | Br | Cl | I |
| acyl | acyl | Br | Cl | H |
| acyl | acyl | Br | Cl | NH ₂ |
| acyl | acyl | Br | Cl | NH-cyclopropyl |
| acyl | acyl | Br | Cl | NH-methyl |
| acyl | acyl | Br | Cl | NH-ethyl |
| acyl | acyl | Br | Cl | NH-acetyl |
| acyl | acyl | Br | Cl | OH |
| acyl | acyl | Br | Cl | OMe |
| acyl | acyl | Br | Cl | OEt |
| acyl | acyl | Br | Cl | O-cyclopropyl |
| acyl | acyl | Br | Cl | O-acetyl |
| acyl | acyl | Br | Cl | SH |
| acyl | acyl | Br | Cl | SMe |
| acyl | acyl | Br | Cl | SEt |
| acyl | acyl | Br | Cl | S-cyclopropyl |
| acyl | acyl | Br | Cl | F |
| acyl | acyl | Br | Cl | Cl |
| acyl | acyl | Br | Cl | Br |
| acyl | acyl | Br | Cl | I |
| acyl | amino acid | Br | Cl | H |
| acyl | amino acid | Br | Cl | NH ₂ |
| acyl | amino acid | Br | Cl | NH-cyclopropyl |
| acyl | amino acid | Br | Cl | NH-methyl |
| acyl | amino acid | Br | Cl | NH-ethyl |
| acyl | amino acid | Br | Cl | NH-acetyl |
| acyl | amino acid | Br | Cl | OH |
| acyl | amino acid | Br | Cl | OMe |
| acyl | amino acid | Br | Cl | OEt |
| acyl | amino acid | Br | Cl | O-cyclopropyl |
| acyl | amino acid | Br | Cl | O-acetyl |
| acyl | amino acid | Br | Cl | SH |
| acyl | amino acid | Br | Cl | SMe |
| acyl | amino acid | Br | Cl | SEt |
| acyl | amino acid | Br | Cl | S-cyclopropyl |
| acyl | amino acid | Br | Cl | F |
| acyl | amino acid | Br | Cl | Cl |
| acyl | amino acid | Br | Cl | Br |
| acyl | amino acid | Br | Cl | I |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| H | acyl | Br | Cl | H |
| H | acyl | Br | Cl | NH ₂ |
| H | acyl | Br | Cl | NH-cyclopropyl |
| H | acyl | Br | Cl | NH-methyl |
| H | acyl | Br | Cl | NH-ethyl |
| H | acyl | Br | Cl | NH-acetyl |
| H | acyl | Br | Cl | OH |
| H | acyl | Br | Cl | OMe |
| H | acyl | Br | Cl | OEt |
| H | acyl | Br | Cl | O-cyclopropyl |
| H | acyl | Br | Cl | O-acetyl |
| H | acyl | Br | Cl | SH |
| H | acyl | Br | Cl | SMe |
| H | acyl | Br | Cl | SEt |
| H | acyl | Br | Cl | S-cyclopropyl |
| H | acyl | Br | Cl | F |
| H | acyl | Br | Cl | Cl |
| H | acyl | Br | Cl | Br |
| H | acyl | Br | Cl | I |
| H | amino acid | Br | Cl | H |
| H | amino acid | Br | Cl | NH ₂ |
| H | amino acid | Br | Cl | NH-cyclopropyl |
| H | amino acid | Br | Cl | NH-methyl |
| H | amino acid | Br | Cl | NH-ethyl |
| H | amino acid | Br | Cl | NH-acetyl |
| H | amino acid | Br | Cl | OH |
| H | amino acid | Br | Cl | OMe |
| H | amino acid | Br | Cl | OEt |
| H | amino acid | Br | Cl | O-cyclopropyl |
| H | amino acid | Br | Cl | O-acetyl |
| H | amino acid | Br | Cl | SH |
| H | amino acid | Br | Cl | SMe |
| H | amino acid | Br | Cl | SEt |
| H | amino acid | Br | Cl | S-cyclopropyl |
| H | amino acid | Br | Cl | F |
| H | amino acid | Br | Cl | Cl |
| H | amino acid | Br | Cl | Br |
| H | amino acid | Br | Cl | I |
| amino acid | amino acid | Br | Cl | H |
| amino acid | amino acid | Br | Cl | NH ₂ |
| amino acid | amino acid | Br | Cl | NH-cyclopropyl |
| amino acid | amino acid | Br | Cl | NH-methyl |
| amino acid | amino acid | Br | Cl | NH-ethyl |
| amino acid | amino acid | Br | Cl | NH-acetyl |
| amino acid | amino acid | Br | Cl | OH |
| amino acid | amino acid | Br | Cl | OMe |
| amino acid | amino acid | Br | Cl | OEt |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| amino acid | amino acid | Br | Cl | O-cyclopropyl |
| amino acid | amino acid | Br | Cl | O-acetyl |
| amino acid | amino acid | Br | Cl | SH |
| amino acid | amino acid | Br | Cl | SMe |
| amino acid | amino acid | Br | Cl | SEt |
| amino acid | amino acid | Br | Cl | S-cyclopropyl |
| amino acid | amino acid | Br | Cl | F |
| amino acid | amino acid | Br | Cl | Cl |
| amino acid | amino acid | Br | Cl | Br |
| amino acid | amino acid | Br | Cl | I |
| amino acid | H | Br | Cl | H |
| amino acid | H | Br | Cl | NH ₂ |
| amino acid | H | Br | Cl | NH-cyclopropyl |
| amino acid | H | Br | Cl | NH-methyl |
| amino acid | H | Br | Cl | NH-ethyl |
| amino acid | H | Br | Cl | NH-acetyl |
| amino acid | H | Br | Cl | OH |
| amino acid | H | Br | Cl | OMe |
| amino acid | H | Br | Cl | OEt |
| amino acid | H | Br | Cl | O-cyclopropyl |
| amino acid | H | Br | Cl | O-acetyl |
| amino acid | H | Br | Cl | SH |
| amino acid | H | Br | Cl | SMe |
| amino acid | H | Br | Cl | SEt |
| amino acid | H | Br | Cl | S-cyclopropyl |
| amino acid | H | Br | Cl | F |
| amino acid | H | Br | Cl | Cl |
| amino acid | H | Br | Cl | Br |
| amino acid | H | Br | Cl | I |
| amino acid | acyl | Br | Cl | H |
| amino acid | acyl | Br | Cl | NH ₂ |
| amino acid | acyl | Br | Cl | NH-cyclopropyl |
| amino acid | acyl | Br | Cl | NH-methyl |
| amino acid | acyl | Br | Cl | NH-ethyl |
| amino acid | acyl | Br | Cl | NH-acetyl |
| amino acid | acyl | Br | Cl | OH |
| amino acid | acyl | Br | Cl | OMe |
| amino acid | acyl | Br | Cl | OEt |
| amino acid | acyl | Br | Cl | O-cyclopropyl |
| amino acid | acyl | Br | Cl | O-acetyl |
| amino acid | acyl | Br | Cl | SH |
| amino acid | acyl | Br | Cl | SMe |
| amino acid | acyl | Br | Cl | SEt |
| amino acid | acyl | Br | Cl | S-cyclopropyl |
| amino acid | acyl | Br | Cl | F |
| amino acid | acyl | Br | Cl | Cl |
| amino acid | acyl | Br | Cl | Br |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| amino acid | acyl | Br | Cl | I |
| acyl | H | H | Cl | H |
| acyl | H | H | Cl | NH ₂ |
| acyl | H | H | Cl | NH-cyclopropyl |
| acyl | H | H | Cl | NH-methyl |
| acyl | H | H | Cl | NH-ethyl |
| acyl | H | H | Cl | NH-acetyl |
| acyl | H | H | Cl | OH |
| acyl | H | H | Cl | OMe |
| acyl | H | H | Cl | OEt |
| acyl | H | H | Cl | O-cyclopropyl |
| acyl | H | H | Cl | O-acetyl |
| acyl | H | H | Cl | SH |
| acyl | H | H | Cl | SMe |
| acyl | H | H | Cl | SEt |
| acyl | H | H | Cl | S-cyclopropyl |
| acyl | H | H | Cl | F |
| acyl | H | H | Cl | Cl |
| acyl | H | H | Cl | Br |
| acyl | H | H | Cl | I |
| acyl | acyl | H | Cl | H |
| acyl | acyl | H | Cl | NH ₂ |
| acyl | acyl | H | Cl | NH-cyclopropyl |
| acyl | acyl | H | Cl | NH-methyl |
| acyl | acyl | H | Cl | NH-ethyl |
| acyl | acyl | H | Cl | NH-acetyl |
| acyl | acyl | H | Cl | OH |
| acyl | acyl | H | Cl | OMe |
| acyl | acyl | H | Cl | OEt |
| acyl | acyl | H | Cl | O-cyclopropyl |
| acyl | acyl | H | Cl | O-acetyl |
| acyl | acyl | H | Cl | SH |
| acyl | acyl | H | Cl | SMe |
| acyl | acyl | H | Cl | SEt |
| acyl | acyl | H | Cl | S-cyclopropyl |
| acyl | acyl | H | Cl | F |
| acyl | acyl | H | Cl | Cl |
| acyl | acyl | H | Cl | Br |
| acyl | acyl | H | Cl | I |
| acyl | amino acid | H | Cl | H |
| acyl | amino acid | H | Cl | NH ₂ |
| acyl | amino acid | H | Cl | NH-cyclopropyl |
| acyl | amino acid | H | Cl | NH-methyl |
| acyl | amino acid | H | Cl | NH-ethyl |
| acyl | amino acid | H | Cl | NH-acetyl |
| acyl | amino acid | H | Cl | OH |
| acyl | amino acid | H | Cl | OMe |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| acyl | amino acid | H | Cl | OEt |
| acyl | amino acid | H | Cl | O-cyclopropyl |
| acyl | amino acid | H | Cl | O-acetyl |
| acyl | amino acid | H | Cl | SH |
| acyl | amino acid | H | Cl | SMe |
| acyl | amino acid | H | Cl | SEt |
| acyl | amino acid | H | Cl | S-cyclopropyl |
| acyl | amino acid | H | Cl | F |
| acyl | amino acid | H | Cl | Cl |
| acyl | amino acid | H | Cl | Br |
| acyl | amino acid | H | Cl | I |
| H | acyl | H | Cl | H |
| H | acyl | H | Cl | NH ₂ |
| H | acyl | H | Cl | NH-cyclopropyl |
| H | acyl | H | Cl | NH-methyl |
| H | acyl | H | Cl | NH-ethyl |
| H | acyl | H | Cl | NH-acetyl |
| H | acyl | H | Cl | OH |
| H | acyl | H | Cl | OMe |
| H | acyl | H | Cl | OEt |
| H | acyl | H | Cl | O-cyclopropyl |
| H | acyl | H | Cl | O-acetyl |
| H | acyl | H | Cl | SH |
| H | acyl | H | Cl | SMe |
| H | acyl | H | Cl | SEt |
| H | acyl | H | Cl | S-cyclopropyl |
| H | acyl | H | Cl | F |
| H | acyl | H | Cl | Cl |
| H | acyl | H | Cl | Br |
| H | acyl | H | Cl | I |
| H | amino acid | H | Cl | H |
| H | amino acid | H | Cl | NH ₂ |
| H | amino acid | H | Cl | NH-cyclopropyl |
| H | amino acid | H | Cl | NH-methyl |
| H | amino acid | H | Cl | NH-ethyl |
| H | amino acid | H | Cl | NH-acetyl |
| H | amino acid | H | Cl | OH |
| H | amino acid | H | Cl | OMe |
| H | amino acid | H | Cl | OEt |
| H | amino acid | H | Cl | O-cyclopropyl |
| H | amino acid | H | Cl | O-acetyl |
| H | amino acid | H | Cl | SH |
| H | amino acid | H | Cl | SMe |
| H | amino acid | H | Cl | SEt |
| H | amino acid | H | Cl | S-cyclopropyl |
| H | amino acid | H | Cl | F |
| H | amino acid | H | Cl | Cl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| H | amino acid | H | Cl | Br |
| H | amino acid | H | Cl | I |
| amino acid | amino acid | H | Cl | H |
| amino acid | amino acid | H | Cl | NH ₂ |
| amino acid | amino acid | H | Cl | NH-cyclopropyl |
| amino acid | amino acid | H | Cl | NH-methyl |
| amino acid | amino acid | H | Cl | NH-ethyl |
| amino acid | amino acid | H | Cl | NH-acetyl |
| amino acid | amino acid | H | Cl | OH |
| amino acid | amino acid | H | Cl | OMe |
| amino acid | amino acid | H | Cl | OEt |
| amino acid | amino acid | H | Cl | O-cyclopropyl |
| amino acid | amino acid | H | Cl | O-acetyl |
| amino acid | amino acid | H | Cl | SH |
| amino acid | amino acid | H | Cl | SMe |
| amino acid | amino acid | H | Cl | SEt |
| amino acid | amino acid | H | Cl | S-cyclopropyl |
| amino acid | amino acid | H | Cl | F |
| amino acid | amino acid | H | Cl | Cl |
| amino acid | amino acid | H | Cl | Br |
| amino acid | amino acid | H | Cl | I |
| amino acid | H | H | Cl | H |
| amino acid | H | H | Cl | NH ₂ |
| amino acid | H | H | Cl | NH-cyclopropyl |
| amino acid | H | H | Cl | NH-methyl |
| amino acid | H | H | Cl | NH-ethyl |
| amino acid | H | H | Cl | NH-acetyl |
| amino acid | H | H | Cl | OH |
| amino acid | H | H | Cl | OMe |
| amino acid | H | H | Cl | OEt |
| amino acid | H | H | Cl | O-cyclopropyl |
| amino acid | H | H | Cl | O-acetyl |
| amino acid | H | H | Cl | SH |
| amino acid | H | H | Cl | SMe |
| amino acid | H | H | Cl | SEt |
| amino acid | H | H | Cl | S-cyclopropyl |
| amino acid | H | H | Cl | F |
| amino acid | H | H | Cl | Cl |
| amino acid | H | H | Cl | Br |
| amino acid | H | H | Cl | I |
| amino acid | acyl | H | Cl | H |
| amino acid | acyl | H | Cl | NH ₂ |
| amino acid | acyl | H | Cl | NH-cyclopropyl |
| amino acid | acyl | H | Cl | NH-methyl |
| amino acid | acyl | H | Cl | NH-ethyl |
| amino acid | acyl | H | Cl | NH-acetyl |
| amino acid | acyl | H | Cl | OH |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| amino acid | acyl | H | Cl | OMe |
| amino acid | acyl | H | Cl | OEt |
| amino acid | acyl | H | Cl | O-cyclopropyl |
| amino acid | acyl | H | Cl | O-acetyl |
| amino acid | acyl | H | Cl | SH |
| amino acid | acyl | H | Cl | SMe |
| amino acid | acyl | H | Cl | SEt |
| amino acid | acyl | H | Cl | S-cyclopropyl |
| amino acid | acyl | H | Cl | F |
| amino acid | acyl | H | Cl | Cl |
| amino acid | acyl | H | Cl | Br |
| amino acid | acyl | H | Cl | I |
| acyl | H | Cl | H | H |
| acyl | H | Cl | H | NH ₂ |
| acyl | H | Cl | H | NH-cyclopropyl |
| acyl | H | Cl | H | NH-methyl |
| acyl | H | Cl | H | NH-ethyl |
| acyl | H | Cl | H | NH-acetyl |
| acyl | H | Cl | H | OH |
| acyl | H | Cl | H | OMe |
| acyl | H | Cl | H | OEt |
| acyl | H | Cl | H | O-cyclopropyl |
| acyl | H | Cl | H | O-acetyl |
| acyl | H | Cl | H | SH |
| acyl | H | Cl | H | SMe |
| acyl | H | Cl | H | SEt |
| acyl | H | Cl | H | S-cyclopropyl |
| acyl | H | Cl | H | F |
| acyl | H | Cl | H | Cl |
| acyl | H | Cl | H | Br |
| acyl | H | Cl | H | I |
| acyl | acyl | Cl | H | H |
| acyl | acyl | Cl | H | NH ₂ |
| acyl | acyl | Cl | H | NH-cyclopropyl |
| acyl | acyl | Cl | H | NH-methyl |
| acyl | acyl | Cl | H | NH-ethyl |
| acyl | acyl | Cl | H | NH-acetyl |
| acyl | acyl | Cl | H | OH |
| acyl | acyl | Cl | H | OMe |
| acyl | acyl | Cl | H | OEt |
| acyl | acyl | Cl | H | O-cyclopropyl |
| acyl | acyl | Cl | H | O-acetyl |
| acyl | acyl | Cl | H | SH |
| acyl | acyl | Cl | H | SMe |
| acyl | acyl | Cl | H | SEt |
| acyl | acyl | Cl | H | S-cyclopropyl |
| acyl | acyl | Cl | H | F |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| acyl | acyl | Cl | H | Cl |
| acyl | acyl | Cl | H | Br |
| acyl | acyl | Cl | H | I |
| acyl | amino acid | Cl | H | H |
| acyl | amino acid | Cl | H | NH ₂ |
| acyl | amino acid | Cl | H | NH-cyclopropyl |
| acyl | amino acid | Cl | H | NH-methyl |
| acyl | amino acid | Cl | H | NH-ethyl |
| acyl | amino acid | Cl | H | NH-acetyl |
| acyl | amino acid | Cl | H | OH |
| acyl | amino acid | Cl | H | OMe |
| acyl | amino acid | Cl | H | OEt |
| acyl | amino acid | Cl | H | O-cyclopropyl |
| acyl | amino acid | Cl | H | O-acetyl |
| acyl | amino acid | Cl | H | SH |
| acyl | amino acid | Cl | H | SMe |
| acyl | amino acid | Cl | H | SEt |
| acyl | amino acid | Cl | H | S-cyclopropyl |
| acyl | amino acid | Cl | H | F |
| acyl | amino acid | Cl | H | Cl |
| acyl | amino acid | Cl | H | Br |
| acyl | amino acid | Cl | H | I |
| H | acyl | Cl | H | H |
| H | acyl | Cl | H | NH ₂ |
| H | acyl | Cl | H | NH-cyclopropyl |
| H | acyl | Cl | H | NH-methyl |
| H | acyl | Cl | H | NH-ethyl |
| H | acyl | Cl | H | NH-acetyl |
| H | acyl | Cl | H | OH |
| H | acyl | Cl | H | OMe |
| H | acyl | Cl | H | OEt |
| H | acyl | Cl | H | O-cyclopropyl |
| H | acyl | Cl | H | O-acetyl |
| H | acyl | Cl | H | SH |
| H | acyl | Cl | H | SMe |
| H | acyl | Cl | H | SEt |
| H | acyl | Cl | H | S-cyclopropyl |
| H | acyl | Cl | H | F |
| H | acyl | Cl | H | Cl |
| H | acyl | Cl | H | Br |
| H | acyl | Cl | H | I |
| H | amino acid | Cl | H | H |
| H | amino acid | Cl | H | NH ₂ |
| H | amino acid | Cl | H | NH-cyclopropyl |
| H | amino acid | Cl | H | NH-methyl |
| H | amino acid | Cl | H | NH-ethyl |
| H | amino acid | Cl | H | NH-acetyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| H | amino acid | Cl | H | OH |
| H | amino acid | Cl | H | OMe |
| H | amino acid | Cl | H | OEt |
| H | amino acid | Cl | H | O-cyclopropyl |
| H | amino acid | Cl | H | O-acetyl |
| H | amino acid | Cl | H | SH |
| H | amino acid | Cl | H | SMe |
| H | amino acid | Cl | H | SEt |
| H | amino acid | Cl | H | S-cyclopropyl |
| H | amino acid | Cl | H | F |
| H | amino acid | Cl | H | Cl |
| H | amino acid | Cl | H | Br |
| H | amino acid | Cl | H | I |
| amino acid | amino acid | Cl | H | H |
| amino acid | amino acid | Cl | H | NH ₂ |
| amino acid | amino acid | Cl | H | NH-cyclopropyl |
| amino acid | amino acid | Cl | H | NH-methyl |
| amino acid | amino acid | Cl | H | NH-ethyl |
| amino acid | amino acid | Cl | H | NH-acetyl |
| amino acid | amino acid | Cl | H | OH |
| amino acid | amino acid | Cl | H | OMe |
| amino acid | amino acid | Cl | H | OEt |
| amino acid | amino acid | Cl | H | O-cyclopropyl |
| amino acid | amino acid | Cl | H | O-acetyl |
| amino acid | amino acid | Cl | H | SH |
| amino acid | amino acid | Cl | H | SMe |
| amino acid | amino acid | Cl | H | SEt |
| amino acid | amino acid | Cl | H | S-cyclopropyl |
| amino acid | amino acid | Cl | H | F |
| amino acid | amino acid | Cl | H | Cl |
| amino acid | amino acid | Cl | H | Br |
| amino acid | amino acid | Cl | H | I |
| amino acid | H | Cl | H | H |
| amino acid | H | Cl | H | NH ₂ |
| amino acid | H | Cl | H | NH-cyclopropyl |
| amino acid | H | Cl | H | NH-methyl |
| amino acid | H | Cl | H | NH-ethyl |
| amino acid | H | Cl | H | NH-acetyl |
| amino acid | H | Cl | H | OH |
| amino acid | H | Cl | H | OMe |
| amino acid | H | Cl | H | OEt |
| amino acid | H | Cl | H | O-cyclopropyl |
| amino acid | H | Cl | H | O-acetyl |
| amino acid | H | Cl | H | SH |
| amino acid | H | Cl | H | SMe |
| amino acid | H | Cl | H | SEt |
| amino acid | H | Cl | H | S-cyclopropyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|-----------------|-----------------|
| amino acid | H | Cl | H | F |
| amino acid | H | Cl | H | Cl |
| amino acid | H | Cl | H | Br |
| amino acid | H | Cl | H | I |
| amino acid | acyl | Cl | H | H |
| amino acid | acyl | Cl | H | NH ₂ |
| amino acid | acyl | Cl | H | NH-cyclopropyl |
| amino acid | acyl | Cl | H | NH-methyl |
| amino acid | acyl | Cl | H | NH-ethyl |
| amino acid | acyl | Cl | H | NH-acetyl |
| amino acid | acyl | Cl | H | OH |
| amino acid | acyl | Cl | H | OMe |
| amino acid | acyl | Cl | H | OEt |
| amino acid | acyl | Cl | H | O-cyclopropyl |
| amino acid | acyl | Cl | H | O-acetyl |
| amino acid | acyl | Cl | H | SH |
| amino acid | acyl | Cl | H | SMe |
| amino acid | acyl | Cl | H | SEt |
| amino acid | acyl | Cl | H | S-cyclopropyl |
| amino acid | acyl | Cl | H | F |
| amino acid | acyl | Cl | H | Cl |
| amino acid | acyl | Cl | H | Br |
| amino acid | acyl | Cl | H | I |
| acyl | H | Cl | NH ₂ | H |
| acyl | H | Cl | NH ₂ | NH ₂ |
| acyl | H | Cl | NH ₂ | NH-cyclopropyl |
| acyl | H | Cl | NH ₂ | NH-methyl |
| acyl | H | Cl | NH ₂ | NH-ethyl |
| acyl | H | Cl | NH ₂ | NH-acetyl |
| acyl | H | Cl | NH ₂ | OH |
| acyl | H | Cl | NH ₂ | OMe |
| acyl | H | Cl | NH ₂ | OEt |
| acyl | H | Cl | NH ₂ | O-cyclopropyl |
| acyl | H | Cl | NH ₂ | O-acetyl |
| acyl | H | Cl | NH ₂ | SH |
| acyl | H | Cl | NH ₂ | SMe |
| acyl | H | Cl | NH ₂ | SEt |
| acyl | H | Cl | NH ₂ | S-cyclopropyl |
| acyl | H | Cl | NH ₂ | F |
| acyl | H | Cl | NH ₂ | Cl |
| acyl | H | Cl | NH ₂ | Br |
| acyl | H | Cl | NH ₂ | I |
| acyl | acyl | Cl | NH ₂ | H |
| acyl | acyl | Cl | NH ₂ | NH ₂ |
| acyl | acyl | Cl | NH ₂ | NH-cyclopropyl |
| acyl | acyl | Cl | NH ₂ | NH-methyl |
| acyl | acyl | Cl | NH ₂ | NH-ethyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|-----------------|-----------------|
| acyl | acyl | Cl | NH ₂ | NH-acetyl |
| acyl | acyl | Cl | NH ₂ | OH |
| acyl | acyl | Cl | NH ₂ | OMe |
| acyl | acyl | Cl | NH ₂ | OEt |
| acyl | acyl | Cl | NH ₂ | O-cyclopropyl |
| acyl | acyl | Cl | NH ₂ | O-acetyl |
| acyl | acyl | Cl | NH ₂ | SH |
| acyl | acyl | Cl | NH ₂ | SMe |
| acyl | acyl | Cl | NH ₂ | SEt |
| acyl | acyl | Cl | NH ₂ | S-cyclopropyl |
| acyl | acyl | Cl | NH ₂ | F |
| acyl | acyl | Cl | NH ₂ | Cl |
| acyl | acyl | Cl | NH ₂ | Br |
| acyl | acyl | Cl | NH ₂ | I |
| acyl | amino acid | Cl | NH ₂ | H |
| acyl | amino acid | Cl | NH ₂ | NH ₂ |
| acyl | amino acid | Cl | NH ₂ | NH-cyclopropyl |
| acyl | amino acid | Cl | NH ₂ | NH-methyl |
| acyl | amino acid | Cl | NH ₂ | NH-ethyl |
| acyl | amino acid | Cl | NH ₂ | NH-acetyl |
| acyl | amino acid | Cl | NH ₂ | OH |
| acyl | amino acid | Cl | NH ₂ | OMe |
| acyl | amino acid | Cl | NH ₂ | OEt |
| acyl | amino acid | Cl | NH ₂ | O-cyclopropyl |
| acyl | amino acid | Cl | NH ₂ | O-acetyl |
| acyl | amino acid | Cl | NH ₂ | SH |
| acyl | amino acid | Cl | NH ₂ | SMe |
| acyl | amino acid | Cl | NH ₂ | SEt |
| acyl | amino acid | Cl | NH ₂ | S-cyclopropyl |
| acyl | amino acid | Cl | NH ₂ | F |
| acyl | amino acid | Cl | NH ₂ | Cl |
| acyl | amino acid | Cl | NH ₂ | Br |
| acyl | amino acid | Cl | NH ₂ | I |
| H | acyl | Cl | NH ₂ | H |
| H | acyl | Cl | NH ₂ | NH ₂ |
| H | acyl | Cl | NH ₂ | NH-cyclopropyl |
| H | acyl | Cl | NH ₂ | NH-methyl |
| H | acyl | Cl | NH ₂ | NH-ethyl |
| H | acyl | Cl | NH ₂ | NH-acetyl |
| H | acyl | Cl | NH ₂ | OH |
| H | acyl | Cl | NH ₂ | OMe |
| H | acyl | Cl | NH ₂ | OEt |
| H | acyl | Cl | NH ₂ | O-cyclopropyl |
| H | acyl | Cl | NH ₂ | O-acetyl |
| H | acyl | Cl | NH ₂ | SH |
| H | acyl | Cl | NH ₂ | SMe |
| H | acyl | Cl | NH ₂ | SEt |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|-----------------|-----------------|
| H | acyl | Cl | NH ₂ | S-cyclopropyl |
| H | acyl | Cl | NH ₂ | F |
| H | acyl | Cl | NH ₂ | Cl |
| H | acyl | Cl | NH ₂ | Br |
| H | acyl | Cl | NH ₂ | I |
| H | amino acid | Cl | NH ₂ | H |
| H | amino acid | Cl | NH ₂ | NH ₂ |
| H | amino acid | Cl | NH ₂ | NH-cyclopropyl |
| H | amino acid | Cl | NH ₂ | NH-methyl |
| H | amino acid | Cl | NH ₂ | NH-ethyl |
| H | amino acid | Cl | NH ₂ | NH-acetyl |
| H | amino acid | Cl | NH ₂ | OH |
| H | amino acid | Cl | NH ₂ | OMe |
| H | amino acid | Cl | NH ₂ | OEt |
| H | amino acid | Cl | NH ₂ | O-cyclopropyl |
| H | amino acid | Cl | NH ₂ | O-acetyl |
| H | amino acid | Cl | NH ₂ | SH |
| H | amino acid | Cl | NH ₂ | SMe |
| H | amino acid | Cl | NH ₂ | SEt |
| H | amino acid | Cl | NH ₂ | S-cyclopropyl |
| H | amino acid | Cl | NH ₂ | F |
| H | amino acid | Cl | NH ₂ | Cl |
| H | amino acid | Cl | NH ₂ | Br |
| H | amino acid | Cl | NH ₂ | I |
| amino acid | amino acid | Cl | NH ₂ | H |
| amino acid | amino acid | Cl | NH ₂ | NH ₂ |
| amino acid | amino acid | Cl | NH ₂ | NH-cyclopropyl |
| amino acid | amino acid | Cl | NH ₂ | NH-methyl |
| amino acid | amino acid | Cl | NH ₂ | NH-ethyl |
| amino acid | amino acid | Cl | NH ₂ | NH-acetyl |
| amino acid | amino acid | Cl | NH ₂ | OH |
| amino acid | amino acid | Cl | NH ₂ | OMe |
| amino acid | amino acid | Cl | NH ₂ | OEt |
| amino acid | amino acid | Cl | NH ₂ | O-cyclopropyl |
| amino acid | amino acid | Cl | NH ₂ | O-acetyl |
| amino acid | amino acid | Cl | NH ₂ | SH |
| amino acid | amino acid | Cl | NH ₂ | SMe |
| amino acid | amino acid | Cl | NH ₂ | SEt |
| amino acid | amino acid | Cl | NH ₂ | S-cyclopropyl |
| amino acid | amino acid | Cl | NH ₂ | F |
| amino acid | amino acid | Cl | NH ₂ | Cl |
| amino acid | amino acid | Cl | NH ₂ | Br |
| amino acid | amino acid | Cl | NH ₂ | I |
| amino acid | H | Cl | NH ₂ | H |
| amino acid | H | Cl | NH ₂ | NH ₂ |
| amino acid | H | Cl | NH ₂ | NH-cyclopropyl |
| amino acid | H | Cl | NH ₂ | NH-methyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|-----------------|-----------------|
| amino acid | H | Cl | NH ₂ | NH-ethyl |
| amino acid | H | Cl | NH ₂ | NH-acetyl |
| amino acid | H | Cl | NH ₂ | OH |
| amino acid | H | Cl | NH ₂ | OMe |
| amino acid | H | Cl | NH ₂ | OEt |
| amino acid | H | Cl | NH ₂ | O-cyclopropyl |
| amino acid | H | Cl | NH ₂ | O-acetyl |
| amino acid | H | Cl | NH ₂ | SH |
| amino acid | H | Cl | NH ₂ | SMe |
| amino acid | H | Cl | NH ₂ | SEt |
| amino acid | H | Cl | NH ₂ | S-cyclopropyl |
| amino acid | H | Cl | NH ₂ | F |
| amino acid | H | Cl | NH ₂ | Cl |
| amino acid | H | Cl | NH ₂ | Br |
| amino acid | H | Cl | NH ₂ | I |
| amino acid | acyl | Cl | NH ₂ | H |
| amino acid | acyl | Cl | NH ₂ | NH ₂ |
| amino acid | acyl | Cl | NH ₂ | NH-cyclopropyl |
| amino acid | acyl | Cl | NH ₂ | NH-methyl |
| amino acid | acyl | Cl | NH ₂ | NH-ethyl |
| amino acid | acyl | Cl | NH ₂ | NH-acetyl |
| amino acid | acyl | Cl | NH ₂ | OH |
| amino acid | acyl | Cl | NH ₂ | OMe |
| amino acid | acyl | Cl | NH ₂ | OEt |
| amino acid | acyl | Cl | NH ₂ | O-cyclopropyl |
| amino acid | acyl | Cl | NH ₂ | O-acetyl |
| amino acid | acyl | Cl | NH ₂ | SH |
| amino acid | acyl | Cl | NH ₂ | SMe |
| amino acid | acyl | Cl | NH ₂ | SEt |
| amino acid | acyl | Cl | NH ₂ | S-cyclopropyl |
| amino acid | acyl | Cl | NH ₂ | F |
| amino acid | acyl | Cl | NH ₂ | Cl |
| amino acid | acyl | Cl | NH ₂ | Br |
| amino acid | acyl | Cl | NH ₂ | I |
| acyl | H | SH | NH ₂ | H |
| acyl | H | SH | NH ₂ | NH ₂ |
| acyl | H | SH | NH ₂ | NH-cyclopropyl |
| acyl | H | SH | NH ₂ | NH-methyl |
| acyl | H | SH | NH ₂ | NH-ethyl |
| acyl | H | SH | NH ₂ | NH-acetyl |
| acyl | H | SH | NH ₂ | OH |
| acyl | H | SH | NH ₂ | OMe |
| acyl | H | SH | NH ₂ | OEt |
| acyl | H | SH | NH ₂ | O-cyclopropyl |
| acyl | H | SH | NH ₂ | O-acetyl |
| acyl | H | SH | NH ₂ | SH |
| acyl | H | SH | NH ₂ | SMe |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|-----------------|-----------------|
| acyl | H | SH | NH ₂ | SEt |
| acyl | H | SH | NH ₂ | S-cyclopropyl |
| acyl | H | SH | NH ₂ | F |
| acyl | H | SH | NH ₂ | Cl |
| acyl | H | SH | NH ₂ | Br |
| acyl | H | SH | NH ₂ | I |
| acyl | acyl | SH | NH ₂ | H |
| acyl | acyl | SH | NH ₂ | NH ₂ |
| acyl | acyl | SH | NH ₂ | NH-cyclopropyl |
| acyl | acyl | SH | NH ₂ | NH-methyl |
| acyl | acyl | SH | NH ₂ | NH-ethyl |
| acyl | acyl | SH | NH ₂ | NH-acetyl |
| acyl | acyl | SH | NH ₂ | OH |
| acyl | acyl | SH | NH ₂ | OMe |
| acyl | acyl | SH | NH ₂ | OEt |
| acyl | acyl | SH | NH ₂ | O-cyclopropyl |
| acyl | acyl | SH | NH ₂ | O-acetyl |
| acyl | acyl | SH | NH ₂ | SH |
| acyl | acyl | SH | NH ₂ | SMe |
| acyl | acyl | SH | NH ₂ | SEt |
| acyl | acyl | SH | NH ₂ | S-cyclopropyl |
| acyl | acyl | SH | NH ₂ | F |
| acyl | acyl | SH | NH ₂ | Cl |
| acyl | acyl | SH | NH ₂ | Br |
| acyl | acyl | SH | NH ₂ | I |
| acyl | amino acid | SH | NH ₂ | H |
| acyl | amino acid | SH | NH ₂ | NH ₂ |
| acyl | amino acid | SH | NH ₂ | NH-cyclopropyl |
| acyl | amino acid | SH | NH ₂ | NH-methyl |
| acyl | amino acid | SH | NH ₂ | NH-ethyl |
| acyl | amino acid | SH | NH ₂ | NH-acetyl |
| acyl | amino acid | SH | NH ₂ | OH |
| acyl | amino acid | SH | NH ₂ | OMe |
| acyl | amino acid | SH | NH ₂ | OEt |
| acyl | amino acid | SH | NH ₂ | O-cyclopropyl |
| acyl | amino acid | SH | NH ₂ | O-acetyl |
| acyl | amino acid | SH | NH ₂ | SH |
| acyl | amino acid | SH | NH ₂ | SMe |
| acyl | amino acid | SH | NH ₂ | SEt |
| acyl | amino acid | SH | NH ₂ | S-cyclopropyl |
| acyl | amino acid | SH | NH ₂ | F |
| acyl | amino acid | SH | NH ₂ | Cl |
| acyl | amino acid | SH | NH ₂ | Br |
| acyl | amino acid | SH | NH ₂ | I |
| H | acyl | SH | NH ₂ | H |
| H | acyl | SH | NH ₂ | NH ₂ |
| H | acyl | SH | NH ₂ | NH-cyclopropyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|-----------------|-----------------|
| H | acyl | SH | NH ₂ | NH-methyl |
| H | acyl | SH | NH ₂ | NH-ethyl |
| H | acyl | SH | NH ₂ | NH-acetyl |
| H | acyl | SH | NH ₂ | OH |
| H | acyl | SH | NH ₂ | OMe |
| H | acyl | SH | NH ₂ | OEt |
| H | acyl | SH | NH ₂ | O-cyclopropyl |
| H | acyl | SH | NH ₂ | O-acetyl |
| H | acyl | SH | NH ₂ | SH |
| H | acyl | SH | NH ₂ | SMe |
| H | acyl | SH | NH ₂ | SEt |
| H | acyl | SH | NH ₂ | S-cyclopropyl |
| H | acyl | SH | NH ₂ | F |
| H | acyl | SH | NH ₂ | Cl |
| H | acyl | SH | NH ₂ | Br |
| H | acyl | SH | NH ₂ | I |
| H | amino acid | SH | NH ₂ | H |
| H | amino acid | SH | NH ₂ | NH ₂ |
| H | amino acid | SH | NH ₂ | NH-cyclopropyl |
| H | amino acid | SH | NH ₂ | NH-methyl |
| H | amino acid | SH | NH ₂ | NH-ethyl |
| H | amino acid | SH | NH ₂ | NH-acetyl |
| H | amino acid | SH | NH ₂ | OH |
| H | amino acid | SH | NH ₂ | OMe |
| H | amino acid | SH | NH ₂ | OEt |
| H | amino acid | SH | NH ₂ | O-cyclopropyl |
| H | amino acid | SH | NH ₂ | O-acetyl |
| H | amino acid | SH | NH ₂ | SH |
| H | amino acid | SH | NH ₂ | SMe |
| H | amino acid | SH | NH ₂ | SEt |
| H | amino acid | SH | NH ₂ | S-cyclopropyl |
| H | amino acid | SH | NH ₂ | F |
| H | amino acid | SH | NH ₂ | Cl |
| H | amino acid | SH | NH ₂ | Br |
| H | amino acid | SH | NH ₂ | I |
| amino acid | amino acid | SH | NH ₂ | H |
| amino acid | amino acid | SH | NH ₂ | NH ₂ |
| amino acid | amino acid | SH | NH ₂ | NH-cyclopropyl |
| amino acid | amino acid | SH | NH ₂ | NH-methyl |
| amino acid | amino acid | SH | NH ₂ | NH-ethyl |
| amino acid | amino acid | SH | NH ₂ | NH-acetyl |
| amino acid | amino acid | SH | NH ₂ | OH |
| amino acid | amino acid | SH | NH ₂ | OMe |
| amino acid | amino acid | SH | NH ₂ | OEt |
| amino acid | amino acid | SH | NH ₂ | O-cyclopropyl |
| amino acid | amino acid | SH | NH ₂ | O-acetyl |
| amino acid | amino acid | SH | NH ₂ | SH |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|-----------------|-----------------|
| amino acid | amino acid | SH | NH ₂ | SMe |
| amino acid | amino acid | SH | NH ₂ | SEt |
| amino acid | amino acid | SH | NH ₂ | S-cyclopropyl |
| amino acid | amino acid | SH | NH ₂ | F |
| amino acid | amino acid | SH | NH ₂ | Cl |
| amino acid | amino acid | SH | NH ₂ | Br |
| amino acid | amino acid | SH | NH ₂ | I |
| amino acid | H | SH | NH ₂ | H |
| amino acid | H | SH | NH ₂ | NH ₂ |
| amino acid | H | SH | NH ₂ | NH-cyclopropyl |
| amino acid | H | SH | NH ₂ | NH-methyl |
| amino acid | H | SH | NH ₂ | NH-ethyl |
| amino acid | H | SH | NH ₂ | NH-acetyl |
| amino acid | H | SH | NH ₂ | OH |
| amino acid | H | SH | NH ₂ | OMe |
| amino acid | H | SH | NH ₂ | OEt |
| amino acid | H | SH | NH ₂ | O-cyclopropyl |
| amino acid | H | SH | NH ₂ | O-acetyl |
| amino acid | H | SH | NH ₂ | SH |
| amino acid | H | SH | NH ₂ | SMe |
| amino acid | H | SH | NH ₂ | SEt |
| amino acid | H | SH | NH ₂ | S-cyclopropyl |
| amino acid | H | SH | NH ₂ | F |
| amino acid | H | SH | NH ₂ | Cl |
| amino acid | H | SH | NH ₂ | Br |
| amino acid | H | SH | NH ₂ | I |
| amino acid | acyl | SH | NH ₂ | H |
| amino acid | acyl | SH | NH ₂ | NH ₂ |
| amino acid | acyl | SH | NH ₂ | NH-cyclopropyl |
| amino acid | acyl | SH | NH ₂ | NH-methyl |
| amino acid | acyl | SH | NH ₂ | NH-ethyl |
| amino acid | acyl | SH | NH ₂ | NH-acetyl |
| amino acid | acyl | SH | NH ₂ | OH |
| amino acid | acyl | SH | NH ₂ | OMe |
| amino acid | acyl | SH | NH ₂ | OEt |
| amino acid | acyl | SH | NH ₂ | O-cyclopropyl |
| amino acid | acyl | SH | NH ₂ | O-acetyl |
| amino acid | acyl | SH | NH ₂ | SH |
| amino acid | acyl | SH | NH ₂ | SMe |
| amino acid | acyl | SH | NH ₂ | SEt |
| amino acid | acyl | SH | NH ₂ | S-cyclopropyl |
| amino acid | acyl | SH | NH ₂ | F |
| amino acid | acyl | SH | NH ₂ | Cl |
| amino acid | acyl | SH | NH ₂ | Br |
| amino acid | acyl | SH | NH ₂ | I |
| acyl | H | Br | NH ₂ | H |
| acyl | H | Br | NH ₂ | NH ₂ |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|-----------------|-----------------|
| acyl | H | Br | NH ₂ | NH-cyclopropyl |
| acyl | H | Br | NH ₂ | NH-methyl |
| acyl | H | Br | NH ₂ | NH-ethyl |
| acyl | H | Br | NH ₂ | NH-acetyl |
| acyl | H | Br | NH ₂ | OH |
| acyl | H | Br | NH ₂ | OMe |
| acyl | H | Br | NH ₂ | OEt |
| acyl | H | Br | NH ₂ | O-cyclopropyl |
| acyl | H | Br | NH ₂ | O-acetyl |
| acyl | H | Br | NH ₂ | SH |
| acyl | H | Br | NH ₂ | SMe |
| acyl | H | Br | NH ₂ | SEt |
| acyl | H | Br | NH ₂ | S-cyclopropyl |
| acyl | H | Br | NH ₂ | F |
| acyl | H | Br | NH ₂ | Cl |
| acyl | H | Br | NH ₂ | Br |
| acyl | H | Br | NH ₂ | I |
| acyl | acyl | Br | NH ₂ | H |
| acyl | acyl | Br | NH ₂ | NH ₂ |
| acyl | acyl | Br | NH ₂ | NH-cyclopropyl |
| acyl | acyl | Br | NH ₂ | NH-methyl |
| acyl | acyl | Br | NH ₂ | NH-ethyl |
| acyl | acyl | Br | NH ₂ | NH-acetyl |
| acyl | acyl | Br | NH ₂ | OH |
| acyl | acyl | Br | NH ₂ | OMe |
| acyl | acyl | Br | NH ₂ | OEt |
| acyl | acyl | Br | NH ₂ | O-cyclopropyl |
| acyl | acyl | Br | NH ₂ | O-acetyl |
| acyl | acyl | Br | NH ₂ | SH |
| acyl | acyl | Br | NH ₂ | SMe |
| acyl | acyl | Br | NH ₂ | SEt |
| acyl | acyl | Br | NH ₂ | S-cyclopropyl |
| acyl | acyl | Br | NH ₂ | F |
| acyl | acyl | Br | NH ₂ | Cl |
| acyl | acyl | Br | NH ₂ | Br |
| acyl | acyl | Br | NH ₂ | I |
| acyl | amino acid | Br | NH ₂ | H |
| acyl | amino acid | Br | NH ₂ | NH ₂ |
| acyl | amino acid | Br | NH ₂ | NH-cyclopropyl |
| acyl | amino acid | Br | NH ₂ | NH-methyl |
| acyl | amino acid | Br | NH ₂ | NH-ethyl |
| acyl | amino acid | Br | NH ₂ | NH-acetyl |
| acyl | amino acid | Br | NH ₂ | OH |
| acyl | amino acid | Br | NH ₂ | OMe |
| acyl | amino acid | Br | NH ₂ | OEt |
| acyl | amino acid | Br | NH ₂ | O-cyclopropyl |
| acyl | amino acid | Br | NH ₂ | O-acetyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|-----------------|-----------------|
| acyl | amino acid | Br | NH ₂ | SH |
| acyl | amino acid | Br | NH ₂ | SMe |
| acyl | amino acid | Br | NH ₂ | SEt |
| acyl | amino acid | Br | NH ₂ | S-cyclopropyl |
| acyl | amino acid | Br | NH ₂ | F |
| acyl | amino acid | Br | NH ₂ | Cl |
| acyl | amino acid | Br | NH ₂ | Br |
| acyl | amino acid | Br | NH ₂ | I |
| H | acyl | Br | NH ₂ | H |
| H | acyl | Br | NH ₂ | NH ₂ |
| H | acyl | Br | NH ₂ | NH-cyclopropyl |
| H | acyl | Br | NH ₂ | NH-methyl |
| H | acyl | Br | NH ₂ | NH-ethyl |
| H | acyl | Br | NH ₂ | NH-acetyl |
| H | acyl | Br | NH ₂ | OH |
| H | acyl | Br | NH ₂ | OMe |
| H | acyl | Br | NH ₂ | OEt |
| H | acyl | Br | NH ₂ | O-cyclopropyl |
| H | acyl | Br | NH ₂ | O-acetyl |
| H | acyl | Br | NH ₂ | SH |
| H | acyl | Br | NH ₂ | SMe |
| H | acyl | Br | NH ₂ | SEt |
| H | acyl | Br | NH ₂ | S-cyclopropyl |
| H | acyl | Br | NH ₂ | F |
| H | acyl | Br | NH ₂ | Cl |
| H | acyl | Br | NH ₂ | Br |
| H | acyl | Br | NH ₂ | I |
| H | amino acid | Br | NH ₂ | H |
| H | amino acid | Br | NH ₂ | NH ₂ |
| H | amino acid | Br | NH ₂ | NH-cyclopropyl |
| H | amino acid | Br | NH ₂ | NH-methyl |
| H | amino acid | Br | NH ₂ | NH-ethyl |
| H | amino acid | Br | NH ₂ | NH-acetyl |
| H | amino acid | Br | NH ₂ | OH |
| H | amino acid | Br | NH ₂ | OMe |
| H | amino acid | Br | NH ₂ | OEt |
| H | amino acid | Br | NH ₂ | O-cyclopropyl |
| H | amino acid | Br | NH ₂ | O-acetyl |
| H | amino acid | Br | NH ₂ | SH |
| H | amino acid | Br | NH ₂ | SMe |
| H | amino acid | Br | NH ₂ | SEt |
| H | amino acid | Br | NH ₂ | S-cyclopropyl |
| H | amino acid | Br | NH ₂ | F |
| H | amino acid | Br | NH ₂ | Cl |
| H | amino acid | Br | NH ₂ | Br |
| H | amino acid | Br | NH ₂ | I |
| amino acid | amino acid | Br | NH ₂ | H |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|-----------------|-----------------|
| amino acid | amino acid | Br | NH ₂ | NH ₂ |
| amino acid | amino acid | Br | NH ₂ | NH-cyclopropyl |
| amino acid | amino acid | Br | NH ₂ | NH-methyl |
| amino acid | amino acid | Br | NH ₂ | NH-ethyl |
| amino acid | amino acid | Br | NH ₂ | NH-acetyl |
| amino acid | amino acid | Br | NH ₂ | OH |
| amino acid | amino acid | Br | NH ₂ | OMe |
| amino acid | amino acid | Br | NH ₂ | OEt |
| amino acid | amino acid | Br | NH ₂ | O-cyclopropyl |
| amino acid | amino acid | Br | NH ₂ | O-acetyl |
| amino acid | amino acid | Br | NH ₂ | SH |
| amino acid | amino acid | Br | NH ₂ | SMe |
| amino acid | amino acid | Br | NH ₂ | SEt |
| amino acid | amino acid | Br | NH ₂ | S-cyclopropyl |
| amino acid | amino acid | Br | NH ₂ | F |
| amino acid | amino acid | Br | NH ₂ | Cl |
| amino acid | amino acid | Br | NH ₂ | Br |
| amino acid | amino acid | Br | NH ₂ | I |
| amino acid | H | Br | NH ₂ | H |
| amino acid | H | Br | NH ₂ | NH ₂ |
| amino acid | H | Br | NH ₂ | NH-cyclopropyl |
| amino acid | H | Br | NH ₂ | NH-methyl |
| amino acid | H | Br | NH ₂ | NH-ethyl |
| amino acid | H | Br | NH ₂ | NH-acetyl |
| amino acid | H | Br | NH ₂ | OH |
| amino acid | H | Br | NH ₂ | OMe |
| amino acid | H | Br | NH ₂ | OEt |
| amino acid | H | Br | NH ₂ | O-cyclopropyl |
| amino acid | H | Br | NH ₂ | O-acetyl |
| amino acid | H | Br | NH ₂ | SH |
| amino acid | H | Br | NH ₂ | SMe |
| amino acid | H | Br | NH ₂ | SEt |
| amino acid | H | Br | NH ₂ | S-cyclopropyl |
| amino acid | H | Br | NH ₂ | F |
| amino acid | H | Br | NH ₂ | Cl |
| amino acid | H | Br | NH ₂ | Br |
| amino acid | H | Br | NH ₂ | I |
| amino acid | acyl | Br | NH ₂ | H |
| amino acid | acyl | Br | NH ₂ | NH ₂ |
| amino acid | acyl | Br | NH ₂ | NH-cyclopropyl |
| amino acid | acyl | Br | NH ₂ | NH-methyl |
| amino acid | acyl | Br | NH ₂ | NH-ethyl |
| amino acid | acyl | Br | NH ₂ | NH-acetyl |
| amino acid | acyl | Br | NH ₂ | OH |
| amino acid | acyl | Br | NH ₂ | OMe |
| amino acid | acyl | Br | NH ₂ | OEt |
| amino acid | acyl | Br | NH ₂ | O-cyclopropyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|-----------------|-----------------|
| amino acid | acyl | Br | NH ₂ | O-acetyl |
| amino acid | acyl | Br | NH ₂ | SH |
| amino acid | acyl | Br | NH ₂ | SMe |
| amino acid | acyl | Br | NH ₂ | SEt |
| amino acid | acyl | Br | NH ₂ | S-cyclopropyl |
| amino acid | acyl | Br | NH ₂ | F |
| amino acid | acyl | Br | NH ₂ | Cl |
| amino acid | acyl | Br | NH ₂ | Br |
| amino acid | acyl | Br | NH ₂ | I |
| acyl | H | F | NH ₂ | H |
| acyl | H | F | NH ₂ | NH ₂ |
| acyl | H | F | NH ₂ | NH-cyclopropyl |
| acyl | H | F | NH ₂ | NH-methyl |
| acyl | H | F | NH ₂ | NH-ethyl |
| acyl | H | F | NH ₂ | NH-acetyl |
| acyl | H | F | NH ₂ | OH |
| acyl | H | F | NH ₂ | OMe |
| acyl | H | F | NH ₂ | OEt |
| acyl | H | F | NH ₂ | O-cyclopropyl |
| acyl | H | F | NH ₂ | O-acetyl |
| acyl | H | F | NH ₂ | SH |
| acyl | H | F | NH ₂ | SMe |
| acyl | H | F | NH ₂ | SEt |
| acyl | H | F | NH ₂ | S-cyclopropyl |
| acyl | H | F | NH ₂ | F |
| acyl | H | F | NH ₂ | Cl |
| acyl | H | F | NH ₂ | Br |
| acyl | H | F | NH ₂ | I |
| acyl | acyl | F | NH ₂ | H |
| acyl | acyl | F | NH ₂ | NH ₂ |
| acyl | acyl | F | NH ₂ | NH-cyclopropyl |
| acyl | acyl | F | NH ₂ | NH-methyl |
| acyl | acyl | F | NH ₂ | NH-ethyl |
| acyl | acyl | F | NH ₂ | NH-acetyl |
| acyl | acyl | F | NH ₂ | OH |
| acyl | acyl | F | NH ₂ | OMe |
| acyl | acyl | F | NH ₂ | OEt |
| acyl | acyl | F | NH ₂ | O-cyclopropyl |
| acyl | acyl | F | NH ₂ | O-acetyl |
| acyl | acyl | F | NH ₂ | SH |
| acyl | acyl | F | NH ₂ | SMe |
| acyl | acyl | F | NH ₂ | SEt |
| acyl | acyl | F | NH ₂ | S-cyclopropyl |
| acyl | acyl | F | NH ₂ | F |
| acyl | acyl | F | NH ₂ | Cl |
| acyl | acyl | F | NH ₂ | Br |
| acyl | acyl | F | NH ₂ | I |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|-----------------|-----------------|
| acyl | amino acid | F | NH ₂ | H |
| acyl | amino acid | F | NH ₂ | NH ₂ |
| acyl | amino acid | F | NH ₂ | NH-cyclopropyl |
| acyl | amino acid | F | NH ₂ | NH-methyl |
| acyl | amino acid | F | NH ₂ | NH-ethyl |
| acyl | amino acid | F | NH ₂ | NH-acetyl |
| acyl | amino acid | F | NH ₂ | OH |
| acyl | amino acid | F | NH ₂ | OMe |
| acyl | amino acid | F | NH ₂ | OEt |
| acyl | amino acid | F | NH ₂ | O-cyclopropyl |
| acyl | amino acid | F | NH ₂ | O-acetyl |
| acyl | amino acid | F | NH ₂ | SH |
| acyl | amino acid | F | NH ₂ | SMe |
| acyl | amino acid | F | NH ₂ | SEt |
| acyl | amino acid | F | NH ₂ | S-cyclopropyl |
| acyl | amino acid | F | NH ₂ | F |
| acyl | amino acid | F | NH ₂ | Cl |
| acyl | amino acid | F | NH ₂ | Br |
| acyl | amino acid | F | NH ₂ | I |
| H | acyl | F | NH ₂ | H |
| H | acyl | F | NH ₂ | NH ₂ |
| H | acyl | F | NH ₂ | NH-cyclopropyl |
| H | acyl | F | NH ₂ | NH-methyl |
| H | acyl | F | NH ₂ | NH-ethyl |
| H | acyl | F | NH ₂ | NH-acetyl |
| H | acyl | F | NH ₂ | OH |
| H | acyl | F | NH ₂ | OMe |
| H | acyl | F | NH ₂ | OEt |
| H | acyl | F | NH ₂ | O-cyclopropyl |
| H | acyl | F | NH ₂ | O-acetyl |
| H | acyl | F | NH ₂ | SH |
| H | acyl | F | NH ₂ | SMe |
| H | acyl | F | NH ₂ | SEt |
| H | acyl | F | NH ₂ | S-cyclopropyl |
| H | acyl | F | NH ₂ | F |
| H | acyl | F | NH ₂ | Cl |
| H | acyl | F | NH ₂ | Br |
| H | acyl | F | NH ₂ | I |
| H | amino acid | F | NH ₂ | H |
| H | amino acid | F | NH ₂ | NH ₂ |
| H | amino acid | F | NH ₂ | NH-cyclopropyl |
| H | amino acid | F | NH ₂ | NH-methyl |
| H | amino acid | F | NH ₂ | NH-ethyl |
| H | amino acid | F | NH ₂ | NH-acetyl |
| H | amino acid | F | NH ₂ | OH |
| H | amino acid | F | NH ₂ | OMe |
| H | amino acid | F | NH ₂ | OEt |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|-----------------|-----------------|
| H | amino acid | F | NH ₂ | O-cyclopropyl |
| H | amino acid | F | NH ₂ | O-acetyl |
| H | amino acid | F | NH ₂ | SH |
| H | amino acid | F | NH ₂ | SMe |
| H | amino acid | F | NH ₂ | SEt |
| H | amino acid | F | NH ₂ | S-cyclopropyl |
| H | amino acid | F | NH ₂ | F |
| H | amino acid | F | NH ₂ | Cl |
| H | amino acid | F | NH ₂ | Br |
| H | amino acid | F | NH ₂ | I |
| amino acid | amino acid | F | NH ₂ | H |
| amino acid | amino acid | F | NH ₂ | NH ₂ |
| amino acid | amino acid | F | NH ₂ | NH-cyclopropyl |
| amino acid | amino acid | F | NH ₂ | NH-methyl |
| amino acid | amino acid | F | NH ₂ | NH-ethyl |
| amino acid | amino acid | F | NH ₂ | NH-acetyl |
| amino acid | amino acid | F | NH ₂ | OH |
| amino acid | amino acid | F | NH ₂ | OMe |
| amino acid | amino acid | F | NH ₂ | OEt |
| amino acid | amino acid | F | NH ₂ | O-cyclopropyl |
| amino acid | amino acid | F | NH ₂ | O-acetyl |
| amino acid | amino acid | F | NH ₂ | SH |
| amino acid | amino acid | F | NH ₂ | SMe |
| amino acid | amino acid | F | NH ₂ | SEt |
| amino acid | amino acid | F | NH ₂ | S-cyclopropyl |
| amino acid | amino acid | F | NH ₂ | F |
| amino acid | amino acid | F | NH ₂ | Cl |
| amino acid | amino acid | F | NH ₂ | Br |
| amino acid | amino acid | F | NH ₂ | I |
| amino acid | H | F | NH ₂ | H |
| amino acid | H | F | NH ₂ | NH ₂ |
| amino acid | H | F | NH ₂ | NH-cyclopropyl |
| amino acid | H | F | NH ₂ | NH-methyl |
| amino acid | H | F | NH ₂ | NH-ethyl |
| amino acid | H | F | NH ₂ | NH-acetyl |
| amino acid | H | F | NH ₂ | OH |
| amino acid | H | F | NH ₂ | OMe |
| amino acid | H | F | NH ₂ | OEt |
| amino acid | H | F | NH ₂ | O-cyclopropyl |
| amino acid | H | F | NH ₂ | O-acetyl |
| amino acid | H | F | NH ₂ | SH |
| amino acid | H | F | NH ₂ | SMe |
| amino acid | H | F | NH ₂ | SEt |
| amino acid | H | F | NH ₂ | S-cyclopropyl |
| amino acid | H | F | NH ₂ | F |
| amino acid | H | F | NH ₂ | Cl |
| amino acid | H | F | NH ₂ | Br |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|-----------------|-----------------|-----------------|
| amino acid | H | F | NH ₂ | I |
| amino acid | acyl | F | NH ₂ | H |
| amino acid | acyl | F | NH ₂ | NH ₂ |
| amino acid | acyl | F | NH ₂ | NH-cyclopropyl |
| amino acid | acyl | F | NH ₂ | NH-methyl |
| amino acid | acyl | F | NH ₂ | NH-ethyl |
| amino acid | acyl | F | NH ₂ | NH-acetyl |
| amino acid | acyl | F | NH ₂ | OH |
| amino acid | acyl | F | NH ₂ | OMe |
| amino acid | acyl | F | NH ₂ | OEt |
| amino acid | acyl | F | NH ₂ | O-cyclopropyl |
| amino acid | acyl | F | NH ₂ | O-acetyl |
| amino acid | acyl | F | NH ₂ | SH |
| amino acid | acyl | F | NH ₂ | SMe |
| amino acid | acyl | F | NH ₂ | SEt |
| amino acid | acyl | F | NH ₂ | S-cyclopropyl |
| amino acid | acyl | F | NH ₂ | F |
| amino acid | acyl | F | NH ₂ | Cl |
| amino acid | acyl | F | NH ₂ | Br |
| amino acid | acyl | F | NH ₂ | I |
| acyl | H | NH ₂ | F | H |
| acyl | H | NH ₂ | F | NH ₂ |
| acyl | H | NH ₂ | F | NH-cyclopropyl |
| acyl | H | NH ₂ | F | NH-methyl |
| acyl | H | NH ₂ | F | NH-ethyl |
| acyl | H | NH ₂ | F | NH-acetyl |
| acyl | H | NH ₂ | F | OH |
| acyl | H | NH ₂ | F | OMe |
| acyl | H | NH ₂ | F | OEt |
| acyl | H | NH ₂ | F | O-cyclopropyl |
| acyl | H | NH ₂ | F | O-acetyl |
| acyl | H | NH ₂ | F | SH |
| acyl | H | NH ₂ | F | SMe |
| acyl | H | NH ₂ | F | SEt |
| acyl | H | NH ₂ | F | S-cyclopropyl |
| acyl | H | NH ₂ | F | F |
| acyl | H | NH ₂ | F | Cl |
| acyl | H | NH ₂ | F | Br |
| acyl | H | NH ₂ | F | I |
| acyl | acyl | NH ₂ | F | H |
| acyl | acyl | NH ₂ | F | NH ₂ |
| acyl | acyl | NH ₂ | F | NH-cyclopropyl |
| acyl | acyl | NH ₂ | F | NH-methyl |
| acyl | acyl | NH ₂ | F | NH-ethyl |
| acyl | acyl | NH ₂ | F | NH-acetyl |
| acyl | acyl | NH ₂ | F | OH |
| acyl | acyl | NH ₂ | F | OMe |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|-----------------|----------------|-----------------|
| acyl | acyl | NH ₂ | F | OEt |
| acyl | acyl | NH ₂ | F | O-cyclopropyl |
| acyl | acyl | NH ₂ | F | O-acetyl |
| acyl | acyl | NH ₂ | F | SH |
| acyl | acyl | NH ₂ | F | SMe |
| acyl | acyl | NH ₂ | F | SEt |
| acyl | acyl | NH ₂ | F | S-cyclopropyl |
| acyl | acyl | NH ₂ | F | F |
| acyl | acyl | NH ₂ | F | Cl |
| acyl | acyl | NH ₂ | F | Br |
| acyl | acyl | NH ₂ | F | I |
| acyl | amino acid | NH ₂ | F | H |
| acyl | amino acid | NH ₂ | F | NH ₂ |
| acyl | amino acid | NH ₂ | F | NH-cyclopropyl |
| acyl | amino acid | NH ₂ | F | NH-methyl |
| acyl | amino acid | NH ₂ | F | NH-ethyl |
| acyl | amino acid | NH ₂ | F | NH-acetyl |
| acyl | amino acid | NH ₂ | F | OH |
| acyl | amino acid | NH ₂ | F | OMe |
| acyl | amino acid | NH ₂ | F | OEt |
| acyl | amino acid | NH ₂ | F | O-cyclopropyl |
| acyl | amino acid | NH ₂ | F | O-acetyl |
| acyl | amino acid | NH ₂ | F | SH |
| acyl | amino acid | NH ₂ | F | SMe |
| acyl | amino acid | NH ₂ | F | SEt |
| acyl | amino acid | NH ₂ | F | S-cyclopropyl |
| acyl | amino acid | NH ₂ | F | F |
| acyl | amino acid | NH ₂ | F | Cl |
| acyl | amino acid | NH ₂ | F | Br |
| acyl | amino acid | NH ₂ | F | I |
| H | acyl | NH ₂ | F | H |
| H | acyl | NH ₂ | F | NH ₂ |
| H | acyl | NH ₂ | F | NH-cyclopropyl |
| H | acyl | NH ₂ | F | NH-methyl |
| H | acyl | NH ₂ | F | NH-ethyl |
| H | acyl | NH ₂ | F | NH-acetyl |
| H | acyl | NH ₂ | F | OH |
| H | acyl | NH ₂ | F | OMe |
| H | acyl | NH ₂ | F | OEt |
| H | acyl | NH ₂ | F | O-cyclopropyl |
| H | acyl | NH ₂ | F | O-acetyl |
| H | acyl | NH ₂ | F | SH |
| H | acyl | NH ₂ | F | SMe |
| H | acyl | NH ₂ | F | SEt |
| H | acyl | NH ₂ | F | S-cyclopropyl |
| H | acyl | NH ₂ | F | F |
| H | acyl | NH ₂ | F | Cl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|-----------------|----------------|-----------------|
| H | acyl | NH ₂ | F | Br |
| H | acyl | NH ₂ | F | I |
| H | amino acid | NH ₂ | F | H |
| H | amino acid | NH ₂ | F | NH ₂ |
| H | amino acid | NH ₂ | F | NH-cyclopropyl |
| H | amino acid | NH ₂ | F | NH-methyl |
| H | amino acid | NH ₂ | F | NH-ethyl |
| H | amino acid | NH ₂ | F | NH-acetyl |
| H | amino acid | NH ₂ | F | OH |
| H | amino acid | NH ₂ | F | OMe |
| H | amino acid | NH ₂ | F | OEt |
| H | amino acid | NH ₂ | F | O-cyclopropyl |
| H | amino acid | NH ₂ | F | O-acetyl |
| H | amino acid | NH ₂ | F | SH |
| H | amino acid | NH ₂ | F | SMe |
| H | amino acid | NH ₂ | F | SEt |
| H | amino acid | NH ₂ | F | S-cyclopropyl |
| H | amino acid | NH ₂ | F | F |
| H | amino acid | NH ₂ | F | Cl |
| H | amino acid | NH ₂ | F | Br |
| H | amino acid | NH ₂ | F | I |
| amino acid | amino acid | NH ₂ | F | H |
| amino acid | amino acid | NH ₂ | F | NH ₂ |
| amino acid | amino acid | NH ₂ | F | NH-cyclopropyl |
| amino acid | amino acid | NH ₂ | F | NH-methyl |
| amino acid | amino acid | NH ₂ | F | NH-ethyl |
| amino acid | amino acid | NH ₂ | F | NH-acetyl |
| amino acid | amino acid | NH ₂ | F | OH |
| amino acid | amino acid | NH ₂ | F | OMe |
| amino acid | amino acid | NH ₂ | F | OEt |
| amino acid | amino acid | NH ₂ | F | O-cyclopropyl |
| amino acid | amino acid | NH ₂ | F | O-acetyl |
| amino acid | amino acid | NH ₂ | F | SH |
| amino acid | amino acid | NH ₂ | F | SMe |
| amino acid | amino acid | NH ₂ | F | SEt |
| amino acid | amino acid | NH ₂ | F | S-cyclopropyl |
| amino acid | amino acid | NH ₂ | F | F |
| amino acid | amino acid | NH ₂ | F | Cl |
| amino acid | amino acid | NH ₂ | F | Br |
| amino acid | amino acid | NH ₂ | F | I |
| amino acid | H | NH ₂ | F | H |
| amino acid | H | NH ₂ | F | NH ₂ |
| amino acid | H | NH ₂ | F | NH-cyclopropyl |
| amino acid | H | NH ₂ | F | NH-methyl |
| amino acid | H | NH ₂ | F | NH-ethyl |
| amino acid | H | NH ₂ | F | NH-acetyl |
| amino acid | H | NH ₂ | F | OH |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|-----------------|----------------|-----------------|
| amino acid | H | NH ₂ | F | OMe |
| amino acid | H | NH ₂ | F | OEt |
| amino acid | H | NH ₂ | F | O-cyclopropyl |
| amino acid | H | NH ₂ | F | O-acetyl |
| amino acid | H | NH ₂ | F | SH |
| amino acid | H | NH ₂ | F | SMe |
| amino acid | H | NH ₂ | F | SEt |
| amino acid | H | NH ₂ | F | S-cyclopropyl |
| amino acid | H | NH ₂ | F | F |
| amino acid | H | NH ₂ | F | Cl |
| amino acid | H | NH ₂ | F | Br |
| amino acid | H | NH ₂ | F | I |
| amino acid | acyl | NH ₂ | F | H |
| amino acid | acyl | NH ₂ | F | NH ₂ |
| amino acid | acyl | NH ₂ | F | NH-cyclopropyl |
| amino acid | acyl | NH ₂ | F | NH-methyl |
| amino acid | acyl | NH ₂ | F | NH-ethyl |
| amino acid | acyl | NH ₂ | F | NH-acetyl |
| amino acid | acyl | NH ₂ | F | OH |
| amino acid | acyl | NH ₂ | F | OMe |
| amino acid | acyl | NH ₂ | F | OEt |
| amino acid | acyl | NH ₂ | F | O-cyclopropyl |
| amino acid | acyl | NH ₂ | F | O-acetyl |
| amino acid | acyl | NH ₂ | F | SH |
| amino acid | acyl | NH ₂ | F | SMe |
| amino acid | acyl | NH ₂ | F | SEt |
| amino acid | acyl | NH ₂ | F | S-cyclopropyl |
| amino acid | acyl | NH ₂ | F | F |
| amino acid | acyl | NH ₂ | F | Cl |
| amino acid | acyl | NH ₂ | F | Br |
| amino acid | acyl | NH ₂ | F | I |
| acyl | H | NH ₂ | Br | H |
| acyl | H | NH ₂ | Br | NH ₂ |
| acyl | H | NH ₂ | Br | NH-cyclopropyl |
| acyl | H | NH ₂ | Br | NH-methyl |
| acyl | H | NH ₂ | Br | NH-ethyl |
| acyl | H | NH ₂ | Br | NH-acetyl |
| acyl | H | NH ₂ | Br | OH |
| acyl | H | NH ₂ | Br | OMe |
| acyl | H | NH ₂ | Br | OEt |
| acyl | H | NH ₂ | Br | O-cyclopropyl |
| acyl | H | NH ₂ | Br | O-acetyl |
| acyl | H | NH ₂ | Br | SH |
| acyl | H | NH ₂ | Br | SMe |
| acyl | H | NH ₂ | Br | SEt |
| acyl | H | NH ₂ | Br | S-cyclopropyl |
| acyl | H | NH ₂ | Br | F |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|-----------------|----------------|-----------------|
| acyl | H | NH ₂ | Br | Cl |
| acyl | H | NH ₂ | Br | Br |
| acyl | H | NH ₂ | Br | I |
| acyl | acyl | NH ₂ | Br | H |
| acyl | acyl | NH ₂ | Br | NH ₂ |
| acyl | acyl | NH ₂ | Br | NH-cyclopropyl |
| acyl | acyl | NH ₂ | Br | NH-methyl |
| acyl | acyl | NH ₂ | Br | NH-ethyl |
| acyl | acyl | NH ₂ | Br | NH-acetyl |
| acyl | acyl | NH ₂ | Br | OH |
| acyl | acyl | NH ₂ | Br | OMe |
| acyl | acyl | NH ₂ | Br | OEt |
| acyl | acyl | NH ₂ | Br | O-cyclopropyl |
| acyl | acyl | NH ₂ | Br | O-acetyl |
| acyl | acyl | NH ₂ | Br | SH |
| acyl | acyl | NH ₂ | Br | SMe |
| acyl | acyl | NH ₂ | Br | SEt |
| acyl | acyl | NH ₂ | Br | S-cyclopropyl |
| acyl | acyl | NH ₂ | Br | F |
| acyl | acyl | NH ₂ | Br | Cl |
| acyl | acyl | NH ₂ | Br | Br |
| acyl | acyl | NH ₂ | Br | I |
| acyl | amino acid | NH ₂ | Br | H |
| acyl | amino acid | NH ₂ | Br | NH ₂ |
| acyl | amino acid | NH ₂ | Br | NH-cyclopropyl |
| acyl | amino acid | NH ₂ | Br | NH-methyl |
| acyl | amino acid | NH ₂ | Br | NH-ethyl |
| acyl | amino acid | NH ₂ | Br | NH-acetyl |
| acyl | amino acid | NH ₂ | Br | OH |
| acyl | amino acid | NH ₂ | Br | OMe |
| acyl | amino acid | NH ₂ | Br | OEt |
| acyl | amino acid | NH ₂ | Br | O-cyclopropyl |
| acyl | amino acid | NH ₂ | Br | O-acetyl |
| acyl | amino acid | NH ₂ | Br | SH |
| acyl | amino acid | NH ₂ | Br | SMe |
| acyl | amino acid | NH ₂ | Br | SEt |
| acyl | amino acid | NH ₂ | Br | S-cyclopropyl |
| acyl | amino acid | NH ₂ | Br | F |
| acyl | amino acid | NH ₂ | Br | Cl |
| acyl | amino acid | NH ₂ | Br | Br |
| acyl | amino acid | NH ₂ | Br | I |
| H | acyl | NH ₂ | Br | H |
| H | acyl | NH ₂ | Br | NH ₂ |
| H | acyl | NH ₂ | Br | NH-cyclopropyl |
| H | acyl | NH ₂ | Br | NH-methyl |
| H | acyl | NH ₂ | Br | NH-ethyl |
| H | acyl | NH ₂ | Br | NH-acetyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|-----------------|----------------|-----------------|
| H | acyl | NH ₂ | Br | OH |
| H | acyl | NH ₂ | Br | OMe |
| H | acyl | NH ₂ | Br | OEt |
| H | acyl | NH ₂ | Br | O-cyclopropyl |
| H | acyl | NH ₂ | Br | O-acetyl |
| H | acyl | NH ₂ | Br | SH |
| H | acyl | NH ₂ | Br | SMe |
| H | acyl | NH ₂ | Br | SEt |
| H | acyl | NH ₂ | Br | S-cyclopropyl |
| H | acyl | NH ₂ | Br | F |
| H | acyl | NH ₂ | Br | Cl |
| H | acyl | NH ₂ | Br | Br |
| H | acyl | NH ₂ | Br | I |
| H | amino acid | NH ₂ | Br | H |
| H | amino acid | NH ₂ | Br | NH ₂ |
| H | amino acid | NH ₂ | Br | NH-cyclopropyl |
| H | amino acid | NH ₂ | Br | NH-methyl |
| H | amino acid | NH ₂ | Br | NH-ethyl |
| H | amino acid | NH ₂ | Br | NH-acetyl |
| H | amino acid | NH ₂ | Br | OH |
| H | amino acid | NH ₂ | Br | OMe |
| H | amino acid | NH ₂ | Br | OEt |
| H | amino acid | NH ₂ | Br | O-cyclopropyl |
| H | amino acid | NH ₂ | Br | O-acetyl |
| H | amino acid | NH ₂ | Br | SH |
| H | amino acid | NH ₂ | Br | SMe |
| H | amino acid | NH ₂ | Br | SEt |
| H | amino acid | NH ₂ | Br | S-cyclopropyl |
| H | amino acid | NH ₂ | Br | F |
| H | amino acid | NH ₂ | Br | Cl |
| H | amino acid | NH ₂ | Br | Br |
| H | amino acid | NH ₂ | Br | I |
| amino acid | amino acid | NH ₂ | Br | H |
| amino acid | amino acid | NH ₂ | Br | NH ₂ |
| amino acid | amino acid | NH ₂ | Br | NH-cyclopropyl |
| amino acid | amino acid | NH ₂ | Br | NH-methyl |
| amino acid | amino acid | NH ₂ | Br | NH-ethyl |
| amino acid | amino acid | NH ₂ | Br | NH-acetyl |
| amino acid | amino acid | NH ₂ | Br | OH |
| amino acid | amino acid | NH ₂ | Br | OMe |
| amino acid | amino acid | NH ₂ | Br | OEt |
| amino acid | amino acid | NH ₂ | Br | O-cyclopropyl |
| amino acid | amino acid | NH ₂ | Br | O-acetyl |
| amino acid | amino acid | NH ₂ | Br | SH |
| amino acid | amino acid | NH ₂ | Br | SMe |
| amino acid | amino acid | NH ₂ | Br | SEt |
| amino acid | amino acid | NH ₂ | Br | S-cyclopropyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|-----------------|----------------|-----------------|
| amino acid | amino acid | NH ₂ | Br | F |
| amino acid | amino acid | NH ₂ | Br | Cl |
| amino acid | amino acid | NH ₂ | Br | Br |
| amino acid | amino acid | NH ₂ | Br | I |
| amino acid | H | NH ₂ | Br | H |
| amino acid | H | NH ₂ | Br | NH ₂ |
| amino acid | H | NH ₂ | Br | NH-cyclopropyl |
| amino acid | H | NH ₂ | Br | NH-methyl |
| amino acid | H | NH ₂ | Br | NH-ethyl |
| amino acid | H | NH ₂ | Br | NH-acetyl |
| amino acid | H | NH ₂ | Br | OH |
| amino acid | H | NH ₂ | Br | OMe |
| amino acid | H | NH ₂ | Br | OEt |
| amino acid | H | NH ₂ | Br | O-cyclopropyl |
| amino acid | H | NH ₂ | Br | O-acetyl |
| amino acid | H | NH ₂ | Br | SH |
| amino acid | H | NH ₂ | Br | SMe |
| amino acid | H | NH ₂ | Br | SEt |
| amino acid | H | NH ₂ | Br | S-cyclopropyl |
| amino acid | H | NH ₂ | Br | F |
| amino acid | H | NH ₂ | Br | Cl |
| amino acid | H | NH ₂ | Br | Br |
| amino acid | H | NH ₂ | Br | I |
| amino acid | acyl | NH ₂ | Br | H |
| amino acid | acyl | NH ₂ | Br | NH ₂ |
| amino acid | acyl | NH ₂ | Br | NH-cyclopropyl |
| amino acid | acyl | NH ₂ | Br | NH-methyl |
| amino acid | acyl | NH ₂ | Br | NH-ethyl |
| amino acid | acyl | NH ₂ | Br | NH-acetyl |
| amino acid | acyl | NH ₂ | Br | OH |
| amino acid | acyl | NH ₂ | Br | OMe |
| amino acid | acyl | NH ₂ | Br | OEt |
| amino acid | acyl | NH ₂ | Br | O-cyclopropyl |
| amino acid | acyl | NH ₂ | Br | O-acetyl |
| amino acid | acyl | NH ₂ | Br | SH |
| amino acid | acyl | NH ₂ | Br | SMe |
| amino acid | acyl | NH ₂ | Br | SEt |
| amino acid | acyl | NH ₂ | Br | S-cyclopropyl |
| amino acid | acyl | NH ₂ | Br | F |
| amino acid | acyl | NH ₂ | Br | Cl |
| amino acid | acyl | NH ₂ | Br | Br |
| amino acid | acyl | NH ₂ | Br | I |
| acyl | H | NH ₂ | Cl | H |
| acyl | H | NH ₂ | Cl | NH ₂ |
| acyl | H | NH ₂ | Cl | NH-cyclopropyl |
| acyl | H | NH ₂ | Cl | NH-methyl |
| acyl | H | NH ₂ | Cl | NH-ethyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|-----------------|----------------|-----------------|
| acyl | H | NH ₂ | Cl | NH-acetyl |
| acyl | H | NH ₂ | Cl | OH |
| acyl | H | NH ₂ | Cl | OMe |
| acyl | H | NH ₂ | Cl | OEt |
| acyl | H | NH ₂ | Cl | O-cyclopropyl |
| acyl | H | NH ₂ | Cl | O-acetyl |
| acyl | H | NH ₂ | Cl | SH |
| acyl | H | NH ₂ | Cl | SMe |
| acyl | H | NH ₂ | Cl | SEt |
| acyl | H | NH ₂ | Cl | S-cyclopropyl |
| acyl | H | NH ₂ | Cl | F |
| acyl | H | NH ₂ | Cl | Cl |
| acyl | H | NH ₂ | Cl | Br |
| acyl | H | NH ₂ | Cl | I |
| acyl | acyl | NH ₂ | Cl | H |
| acyl | acyl | NH ₂ | Cl | NH ₂ |
| acyl | acyl | NH ₂ | Cl | NH-cyclopropyl |
| acyl | acyl | NH ₂ | Cl | NH-methyl |
| acyl | acyl | NH ₂ | Cl | NH-ethyl |
| acyl | acyl | NH ₂ | Cl | NH-acetyl |
| acyl | acyl | NH ₂ | Cl | OH |
| acyl | acyl | NH ₂ | Cl | OMe |
| acyl | acyl | NH ₂ | Cl | OEt |
| acyl | acyl | NH ₂ | Cl | O-cyclopropyl |
| acyl | acyl | NH ₂ | Cl | O-acetyl |
| acyl | acyl | NH ₂ | Cl | SH |
| acyl | acyl | NH ₂ | Cl | SMe |
| acyl | acyl | NH ₂ | Cl | SEt |
| acyl | acyl | NH ₂ | Cl | S-cyclopropyl |
| acyl | acyl | NH ₂ | Cl | F |
| acyl | acyl | NH ₂ | Cl | Cl |
| acyl | acyl | NH ₂ | Cl | Br |
| acyl | acyl | NH ₂ | Cl | I |
| acyl | amino acid | NH ₂ | Cl | H |
| acyl | amino acid | NH ₂ | Cl | NH ₂ |
| acyl | amino acid | NH ₂ | Cl | NH-cyclopropyl |
| acyl | amino acid | NH ₂ | Cl | NH-methyl |
| acyl | amino acid | NH ₂ | Cl | NH-ethyl |
| acyl | amino acid | NH ₂ | Cl | NH-acetyl |
| acyl | amino acid | NH ₂ | Cl | OH |
| acyl | amino acid | NH ₂ | Cl | OMe |
| acyl | amino acid | NH ₂ | Cl | OEt |
| acyl | amino acid | NH ₂ | Cl | O-cyclopropyl |
| acyl | amino acid | NH ₂ | Cl | O-acetyl |
| acyl | amino acid | NH ₂ | Cl | SH |
| acyl | amino acid | NH ₂ | Cl | SMe |
| acyl | amino acid | NH ₂ | Cl | SEt |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|-----------------|----------------|-----------------|
| acyl | amino acid | NH ₂ | Cl | S-cyclopropyl |
| acyl | amino acid | NH ₂ | Cl | F |
| acyl | amino acid | NH ₂ | Cl | Cl |
| acyl | amino acid | NH ₂ | Cl | Br |
| acyl | amino acid | NH ₂ | Cl | I |
| H | acyl | NH ₂ | Cl | H |
| H | acyl | NH ₂ | Cl | NH ₂ |
| H | acyl | NH ₂ | Cl | NH-cyclopropyl |
| H | acyl | NH ₂ | Cl | NH-methyl |
| H | acyl | NH ₂ | Cl | NH-ethyl |
| H | acyl | NH ₂ | Cl | NH-acetyl |
| H | acyl | NH ₂ | Cl | OH |
| H | acyl | NH ₂ | Cl | OMe |
| H | acyl | NH ₂ | Cl | OEt |
| H | acyl | NH ₂ | Cl | O-cyclopropyl |
| H | acyl | NH ₂ | Cl | O-acetyl |
| H | acyl | NH ₂ | Cl | SH |
| H | acyl | NH ₂ | Cl | SMe |
| H | acyl | NH ₂ | Cl | SEt |
| H | acyl | NH ₂ | Cl | S-cyclopropyl |
| H | acyl | NH ₂ | Cl | F |
| H | acyl | NH ₂ | Cl | Cl |
| H | acyl | NH ₂ | Cl | Br |
| H | acyl | NH ₂ | Cl | I |
| H | amino acid | NH ₂ | Cl | H |
| H | amino acid | NH ₂ | Cl | NH ₂ |
| H | amino acid | NH ₂ | Cl | NH-cyclopropyl |
| H | amino acid | NH ₂ | Cl | NH-methyl |
| H | amino acid | NH ₂ | Cl | NH-ethyl |
| H | amino acid | NH ₂ | Cl | NH-acetyl |
| H | amino acid | NH ₂ | Cl | OH |
| H | amino acid | NH ₂ | Cl | OMe |
| H | amino acid | NH ₂ | Cl | OEt |
| H | amino acid | NH ₂ | Cl | O-cyclopropyl |
| H | amino acid | NH ₂ | Cl | O-acetyl |
| H | amino acid | NH ₂ | Cl | SH |
| H | amino acid | NH ₂ | Cl | SMe |
| H | amino acid | NH ₂ | Cl | SEt |
| H | amino acid | NH ₂ | Cl | S-cyclopropyl |
| H | amino acid | NH ₂ | Cl | F |
| H | amino acid | NH ₂ | Cl | Cl |
| H | amino acid | NH ₂ | Cl | Br |
| H | amino acid | NH ₂ | Cl | I |
| amino acid | amino acid | NH ₂ | Cl | H |
| amino acid | amino acid | NH ₂ | Cl | NH ₂ |
| amino acid | amino acid | NH ₂ | Cl | NH-cyclopropyl |
| amino acid | amino acid | NH ₂ | Cl | NH-methyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|-----------------|----------------|-----------------|
| amino acid | amino acid | NH ₂ | Cl | NH-ethyl |
| amino acid | amino acid | NH ₂ | Cl | NH-acetyl |
| amino acid | amino acid | NH ₂ | Cl | OH |
| amino acid | amino acid | NH ₂ | Cl | OMe |
| amino acid | amino acid | NH ₂ | Cl | OEt |
| amino acid | amino acid | NH ₂ | Cl | O-cyclopropyl |
| amino acid | amino acid | NH ₂ | Cl | O-acetyl |
| amino acid | amino acid | NH ₂ | Cl | SH |
| amino acid | amino acid | NH ₂ | Cl | SMe |
| amino acid | amino acid | NH ₂ | Cl | SEt |
| amino acid | amino acid | NH ₂ | Cl | S-cyclopropyl |
| amino acid | amino acid | NH ₂ | Cl | F |
| amino acid | amino acid | NH ₂ | Cl | Cl |
| amino acid | amino acid | NH ₂ | Cl | Br |
| amino acid | amino acid | NH ₂ | Cl | I |
| amino acid | H | NH ₂ | Cl | H |
| amino acid | H | NH ₂ | Cl | NH ₂ |
| amino acid | H | NH ₂ | Cl | NH-cyclopropyl |
| amino acid | H | NH ₂ | Cl | NH-methyl |
| amino acid | H | NH ₂ | Cl | NH-ethyl |
| amino acid | H | NH ₂ | Cl | NH-acetyl |
| amino acid | H | NH ₂ | Cl | OH |
| amino acid | H | NH ₂ | Cl | OMe |
| amino acid | H | NH ₂ | Cl | OEt |
| amino acid | H | NH ₂ | Cl | O-cyclopropyl |
| amino acid | H | NH ₂ | Cl | O-acetyl |
| amino acid | H | NH ₂ | Cl | SH |
| amino acid | H | NH ₂ | Cl | SMe |
| amino acid | H | NH ₂ | Cl | SEt |
| amino acid | H | NH ₂ | Cl | S-cyclopropyl |
| amino acid | H | NH ₂ | Cl | F |
| amino acid | H | NH ₂ | Cl | Cl |
| amino acid | H | NH ₂ | Cl | Br |
| amino acid | H | NH ₂ | Cl | I |
| amino acid | acyl | NH ₂ | Cl | H |
| amino acid | acyl | NH ₂ | Cl | NH ₂ |
| amino acid | acyl | NH ₂ | Cl | NH-cyclopropyl |
| amino acid | acyl | NH ₂ | Cl | NH-methyl |
| amino acid | acyl | NH ₂ | Cl | NH-ethyl |
| amino acid | acyl | NH ₂ | Cl | NH-acetyl |
| amino acid | acyl | NH ₂ | Cl | OH |
| amino acid | acyl | NH ₂ | Cl | OMe |
| amino acid | acyl | NH ₂ | Cl | OEt |
| amino acid | acyl | NH ₂ | Cl | O-cyclopropyl |
| amino acid | acyl | NH ₂ | Cl | O-acetyl |
| amino acid | acyl | NH ₂ | Cl | SH |
| amino acid | acyl | NH ₂ | Cl | SMe |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|-----------------|----------------|-----------------|
| amino acid | acyl | NH ₂ | Cl | SEt |
| amino acid | acyl | NH ₂ | Cl | S-cyclopropyl |
| amino acid | acyl | NH ₂ | Cl | F |
| amino acid | acyl | NH ₂ | Cl | Cl |
| amino acid | acyl | NH ₂ | Cl | Br |
| amino acid | acyl | NH ₂ | Cl | I |
| acyl | H | NH ₂ | SH | H |
| acyl | H | NH ₂ | SH | NH ₂ |
| acyl | H | NH ₂ | SH | NH-cyclopropyl |
| acyl | H | NH ₂ | SH | NH-methyl |
| acyl | H | NH ₂ | SH | NH-ethyl |
| acyl | H | NH ₂ | SH | NH-acetyl |
| acyl | H | NH ₂ | SH | OH |
| acyl | H | NH ₂ | SH | OMe |
| acyl | H | NH ₂ | SH | OEt |
| acyl | H | NH ₂ | SH | O-cyclopropyl |
| acyl | H | NH ₂ | SH | O-acetyl |
| acyl | H | NH ₂ | SH | SH |
| acyl | H | NH ₂ | SH | SMe |
| acyl | H | NH ₂ | SH | SEt |
| acyl | H | NH ₂ | SH | S-cyclopropyl |
| acyl | H | NH ₂ | SH | F |
| acyl | H | NH ₂ | SH | Cl |
| acyl | H | NH ₂ | SH | Br |
| acyl | H | NH ₂ | SH | I |
| acyl | acyl | NH ₂ | SH | H |
| acyl | acyl | NH ₂ | SH | NH ₂ |
| acyl | acyl | NH ₂ | SH | NH-cyclopropyl |
| acyl | acyl | NH ₂ | SH | NH-methyl |
| acyl | acyl | NH ₂ | SH | NH-ethyl |
| acyl | acyl | NH ₂ | SH | NH-acetyl |
| acyl | acyl | NH ₂ | SH | OH |
| acyl | acyl | NH ₂ | SH | OMe |
| acyl | acyl | NH ₂ | SH | OEt |
| acyl | acyl | NH ₂ | SH | O-cyclopropyl |
| acyl | acyl | NH ₂ | SH | O-acetyl |
| acyl | acyl | NH ₂ | SH | SH |
| acyl | acyl | NH ₂ | SH | SMe |
| acyl | acyl | NH ₂ | SH | SEt |
| acyl | acyl | NH ₂ | SH | S-cyclopropyl |
| acyl | acyl | NH ₂ | SH | F |
| acyl | acyl | NH ₂ | SH | Cl |
| acyl | acyl | NH ₂ | SH | Br |
| acyl | acyl | NH ₂ | SH | I |
| acyl | amino acid | NH ₂ | SH | H |
| acyl | amino acid | NH ₂ | SH | NH ₂ |
| acyl | amino acid | NH ₂ | SH | NH-cyclopropyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|-----------------|----------------|-----------------|
| acyl | amino acid | NH ₂ | SH | NH-methyl |
| acyl | amino acid | NH ₂ | SH | NH-ethyl |
| acyl | amino acid | NH ₂ | SH | NH-acetyl |
| acyl | amino acid | NH ₂ | SH | OH |
| acyl | amino acid | NH ₂ | SH | OMe |
| acyl | amino acid | NH ₂ | SH | OEt |
| acyl | amino acid | NH ₂ | SH | O-cyclopropyl |
| acyl | amino acid | NH ₂ | SH | O-acetyl |
| acyl | amino acid | NH ₂ | SH | SH |
| acyl | amino acid | NH ₂ | SH | SMe |
| acyl | amino acid | NH ₂ | SH | SEt |
| acyl | amino acid | NH ₂ | SH | S-cyclopropyl |
| acyl | amino acid | NH ₂ | SH | F |
| acyl | amino acid | NH ₂ | SH | Cl |
| acyl | amino acid | NH ₂ | SH | Br |
| acyl | amino acid | NH ₂ | SH | I |
| H | acyl | NH ₂ | SH | H |
| H | acyl | NH ₂ | SH | NH ₂ |
| H | acyl | NH ₂ | SH | NH-cyclopropyl |
| H | acyl | NH ₂ | SH | NH-methyl |
| H | acyl | NH ₂ | SH | NH-ethyl |
| H | acyl | NH ₂ | SH | NH-acetyl |
| H | acyl | NH ₂ | SH | OH |
| H | acyl | NH ₂ | SH | OMe |
| H | acyl | NH ₂ | SH | OEt |
| H | acyl | NH ₂ | SH | O-cyclopropyl |
| H | acyl | NH ₂ | SH | O-acetyl |
| H | acyl | NH ₂ | SH | SH |
| H | acyl | NH ₂ | SH | SMe |
| H | acyl | NH ₂ | SH | SEt |
| H | acyl | NH ₂ | SH | S-cyclopropyl |
| H | acyl | NH ₂ | SH | F |
| H | acyl | NH ₂ | SH | Cl |
| H | acyl | NH ₂ | SH | Br |
| H | acyl | NH ₂ | SH | I |
| H | amino acid | NH ₂ | SH | H |
| H | amino acid | NH ₂ | SH | NH ₂ |
| H | amino acid | NH ₂ | SH | NH-cyclopropyl |
| H | amino acid | NH ₂ | SH | NH-methyl |
| H | amino acid | NH ₂ | SH | NH-ethyl |
| H | amino acid | NH ₂ | SH | NH-acetyl |
| H | amino acid | NH ₂ | SH | OH |
| H | amino acid | NH ₂ | SH | OMe |
| H | amino acid | NH ₂ | SH | OEt |
| H | amino acid | NH ₂ | SH | O-cyclopropyl |
| H | amino acid | NH ₂ | SH | O-acetyl |
| H | amino acid | NH ₂ | SH | SH |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|-----------------|----------------|-----------------|
| H | amino acid | NH ₂ | SH | SMe |
| H | amino acid | NH ₂ | SH | SEt |
| H | amino acid | NH ₂ | SH | S-cyclopropyl |
| H | amino acid | NH ₂ | SH | F |
| H | amino acid | NH ₂ | SH | Cl |
| H | amino acid | NH ₂ | SH | Br |
| H | amino acid | NH ₂ | SH | I |
| amino acid | amino acid | NH ₂ | SH | H |
| amino acid | amino acid | NH ₂ | SH | NH ₂ |
| amino acid | amino acid | NH ₂ | SH | NH-cyclopropyl |
| amino acid | amino acid | NH ₂ | SH | NH-methyl |
| amino acid | amino acid | NH ₂ | SH | NH-ethyl |
| amino acid | amino acid | NH ₂ | SH | NH-acetyl |
| amino acid | amino acid | NH ₂ | SH | OH |
| amino acid | amino acid | NH ₂ | SH | OMe |
| amino acid | amino acid | NH ₂ | SH | OEt |
| amino acid | amino acid | NH ₂ | SH | O-cyclopropyl |
| amino acid | amino acid | NH ₂ | SH | O-acetyl |
| amino acid | amino acid | NH ₂ | SH | SH |
| amino acid | amino acid | NH ₂ | SH | SMe |
| amino acid | amino acid | NH ₂ | SH | SEt |
| amino acid | amino acid | NH ₂ | SH | S-cyclopropyl |
| amino acid | amino acid | NH ₂ | SH | F |
| amino acid | amino acid | NH ₂ | SH | Cl |
| amino acid | amino acid | NH ₂ | SH | Br |
| amino acid | amino acid | NH ₂ | SH | I |
| amino acid | H | NH ₂ | SH | H |
| amino acid | H | NH ₂ | SH | NH ₂ |
| amino acid | H | NH ₂ | SH | NH-cyclopropyl |
| amino acid | H | NH ₂ | SH | NH-methyl |
| amino acid | H | NH ₂ | SH | NH-ethyl |
| amino acid | H | NH ₂ | SH | NH-acetyl |
| amino acid | H | NH ₂ | SH | OH |
| amino acid | H | NH ₂ | SH | OMe |
| amino acid | H | NH ₂ | SH | OEt |
| amino acid | H | NH ₂ | SH | O-cyclopropyl |
| amino acid | H | NH ₂ | SH | O-acetyl |
| amino acid | H | NH ₂ | SH | SH |
| amino acid | H | NH ₂ | SH | SMe |
| amino acid | H | NH ₂ | SH | SEt |
| amino acid | H | NH ₂ | SH | S-cyclopropyl |
| amino acid | H | NH ₂ | SH | F |
| amino acid | H | NH ₂ | SH | Cl |
| amino acid | H | NH ₂ | SH | Br |
| amino acid | H | NH ₂ | SH | I |
| amino acid | acyl | NH ₂ | SH | H |
| amino acid | acyl | NH ₂ | SH | NH ₂ |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|-----------------|----------------|-----------------|
| amino acid | acyl | NH ₂ | SH | NH-cyclopropyl |
| amino acid | acyl | NH ₂ | SH | NH-methyl |
| amino acid | acyl | NH ₂ | SH | NH-ethyl |
| amino acid | acyl | NH ₂ | SH | NH-acetyl |
| amino acid | acyl | NH ₂ | SH | OH |
| amino acid | acyl | NH ₂ | SH | OMe |
| amino acid | acyl | NH ₂ | SH | OEt |
| amino acid | acyl | NH ₂ | SH | O-cyclopropyl |
| amino acid | acyl | NH ₂ | SH | O-acetyl |
| amino acid | acyl | NH ₂ | SH | SH |
| amino acid | acyl | NH ₂ | SH | SMe |
| amino acid | acyl | NH ₂ | SH | SEt |
| amino acid | acyl | NH ₂ | SH | S-cyclopropyl |
| amino acid | acyl | NH ₂ | SH | F |
| amino acid | acyl | NH ₂ | SH | Cl |
| amino acid | acyl | NH ₂ | SH | Br |
| amino acid | acyl | NH ₂ | SH | I |
| acyl | H | F | SH | H |
| acyl | H | F | SH | NH ₂ |
| acyl | H | F | SH | NH-cyclopropyl |
| acyl | H | F | SH | NH-methyl |
| acyl | H | F | SH | NH-ethyl |
| acyl | H | F | SH | NH-acetyl |
| acyl | H | F | SH | OH |
| acyl | H | F | SH | OMe |
| acyl | H | F | SH | OEt |
| acyl | H | F | SH | O-cyclopropyl |
| acyl | H | F | SH | O-acetyl |
| acyl | H | F | SH | SH |
| acyl | H | F | SH | SMe |
| acyl | H | F | SH | SEt |
| acyl | H | F | SH | S-cyclopropyl |
| acyl | H | F | SH | F |
| acyl | H | F | SH | Cl |
| acyl | H | F | SH | Br |
| acyl | H | F | SH | I |
| acyl | acyl | F | SH | H |
| acyl | acyl | F | SH | NH ₂ |
| acyl | acyl | F | SH | NH-cyclopropyl |
| acyl | acyl | F | SH | NH-methyl |
| acyl | acyl | F | SH | NH-ethyl |
| acyl | acyl | F | SH | NH-acetyl |
| acyl | acyl | F | SH | OH |
| acyl | acyl | F | SH | OMe |
| acyl | acyl | F | SH | OEt |
| acyl | acyl | F | SH | O-cyclopropyl |
| acyl | acyl | F | SH | O-acetyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| acyl | acyl | F | SH | SH |
| acyl | acyl | F | SH | SMe |
| acyl | acyl | F | SH | SEt |
| acyl | acyl | F | SH | S-cyclopropyl |
| acyl | acyl | F | SH | F |
| acyl | acyl | F | SH | Cl |
| acyl | acyl | F | SH | Br |
| acyl | acyl | F | SH | I |
| acyl | amino acid | F | SH | H |
| acyl | amino acid | F | SH | NH ₂ |
| acyl | amino acid | F | SH | NH-cyclopropyl |
| acyl | amino acid | F | SH | NH-methyl |
| acyl | amino acid | F | SH | NH-ethyl |
| acyl | amino acid | F | SH | NH-acetyl |
| acyl | amino acid | F | SH | OH |
| acyl | amino acid | F | SH | OMe |
| acyl | amino acid | F | SH | OEt |
| acyl | amino acid | F | SH | O-cyclopropyl |
| acyl | amino acid | F | SH | O-acetyl |
| acyl | amino acid | F | SH | SH |
| acyl | amino acid | F | SH | SMe |
| acyl | amino acid | F | SH | SEt |
| acyl | amino acid | F | SH | S-cyclopropyl |
| acyl | amino acid | F | SH | F |
| acyl | amino acid | F | SH | Cl |
| acyl | amino acid | F | SH | Br |
| acyl | amino acid | F | SH | I |
| H | acyl | F | SH | H |
| H | acyl | F | SH | NH ₂ |
| H | acyl | F | SH | NH-cyclopropyl |
| H | acyl | F | SH | NH-methyl |
| H | acyl | F | SH | NH-ethyl |
| H | acyl | F | SH | NH-acetyl |
| H | acyl | F | SH | OH |
| H | acyl | F | SH | OMe |
| H | acyl | F | SH | OEt |
| H | acyl | F | SH | O-cyclopropyl |
| H | acyl | F | SH | O-acetyl |
| H | acyl | F | SH | SH |
| H | acyl | F | SH | SMe |
| H | acyl | F | SH | SEt |
| H | acyl | F | SH | S-cyclopropyl |
| H | acyl | F | SH | F |
| H | acyl | F | SH | Cl |
| H | acyl | F | SH | Br |
| H | acyl | F | SH | I |
| H | amino acid | F | SH | H |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| H | amino acid | F | SH | NH ₂ |
| H | amino acid | F | SH | NH-cyclopropyl |
| H | amino acid | F | SH | NH-methyl |
| H | amino acid | F | SH | NH-ethyl |
| H | amino acid | F | SH | NH-acetyl |
| H | amino acid | F | SH | OH |
| H | amino acid | F | SH | OMe |
| H | amino acid | F | SH | OEt |
| H | amino acid | F | SH | O-cyclopropyl |
| H | amino acid | F | SH | O-acetyl |
| H | amino acid | F | SH | SH |
| H | amino acid | F | SH | SMe |
| H | amino acid | F | SH | SEt |
| H | amino acid | F | SH | S-cyclopropyl |
| H | amino acid | F | SH | F |
| H | amino acid | F | SH | Cl |
| H | amino acid | F | SH | Br |
| H | amino acid | F | SH | I |
| amino acid | amino acid | F | SH | H |
| amino acid | amino acid | F | SH | NH ₂ |
| amino acid | amino acid | F | SH | NH-cyclopropyl |
| amino acid | amino acid | F | SH | NH-methyl |
| amino acid | amino acid | F | SH | NH-ethyl |
| amino acid | amino acid | F | SH | NH-acetyl |
| amino acid | amino acid | F | SH | OH |
| amino acid | amino acid | F | SH | OMe |
| amino acid | amino acid | F | SH | OEt |
| amino acid | amino acid | F | SH | O-cyclopropyl |
| amino acid | amino acid | F | SH | O-acetyl |
| amino acid | amino acid | F | SH | SH |
| amino acid | amino acid | F | SH | SMe |
| amino acid | amino acid | F | SH | SEt |
| amino acid | amino acid | F | SH | S-cyclopropyl |
| amino acid | amino acid | F | SH | F |
| amino acid | amino acid | F | SH | Cl |
| amino acid | amino acid | F | SH | Br |
| amino acid | amino acid | F | SH | I |
| amino acid | H | F | SH | H |
| amino acid | H | F | SH | NH ₂ |
| amino acid | H | F | SH | NH-cyclopropyl |
| amino acid | H | F | SH | NH-methyl |
| amino acid | H | F | SH | NH-ethyl |
| amino acid | H | F | SH | NH-acetyl |
| amino acid | H | F | SH | OH |
| amino acid | H | F | SH | OMe |
| amino acid | H | F | SH | OEt |
| amino acid | H | F | SH | O-cyclopropyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| amino acid | H | F | SH | O-acetyl |
| amino acid | H | F | SH | SH |
| amino acid | H | F | SH | SMe |
| amino acid | H | F | SH | SEt |
| amino acid | H | F | SH | S-cyclopropyl |
| amino acid | H | F | SH | F |
| amino acid | H | F | SH | Cl |
| amino acid | H | F | SH | Br |
| amino acid | H | F | SH | I |
| amino acid | acyl | F | SH | H |
| amino acid | acyl | F | SH | NH ₂ |
| amino acid | acyl | F | SH | NH-cyclopropyl |
| amino acid | acyl | F | SH | NH-methyl |
| amino acid | acyl | F | SH | NH-ethyl |
| amino acid | acyl | F | SH | NH-acetyl |
| amino acid | acyl | F | SH | OH |
| amino acid | acyl | F | SH | OMe |
| amino acid | acyl | F | SH | OEt |
| amino acid | acyl | F | SH | O-cyclopropyl |
| amino acid | acyl | F | SH | O-acetyl |
| amino acid | acyl | F | SH | SH |
| amino acid | acyl | F | SH | SMe |
| amino acid | acyl | F | SH | SEt |
| amino acid | acyl | F | SH | S-cyclopropyl |
| amino acid | acyl | F | SH | F |
| amino acid | acyl | F | SH | Cl |
| amino acid | acyl | F | SH | Br |
| amino acid | acyl | F | SH | I |
| acyl | H | F | Br | H |
| acyl | H | F | Br | NH ₂ |
| acyl | H | F | Br | NH-cyclopropyl |
| acyl | H | F | Br | NH-methyl |
| acyl | H | F | Br | NH-ethyl |
| acyl | H | F | Br | NH-acetyl |
| acyl | H | F | Br | OH |
| acyl | H | F | Br | OMe |
| acyl | H | F | Br | OEt |
| acyl | H | F | Br | O-cyclopropyl |
| acyl | H | F | Br | O-acetyl |
| acyl | H | F | Br | SH |
| acyl | H | F | Br | SMe |
| acyl | H | F | Br | SEt |
| acyl | H | F | Br | S-cyclopropyl |
| acyl | H | F | Br | F |
| acyl | H | F | Br | Cl |
| acyl | H | F | Br | Br |
| acyl | H | F | Br | I |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| acyl | acyl | F | Br | H |
| acyl | acyl | F | Br | NH ₂ |
| acyl | acyl | F | Br | NH-cyclopropyl |
| acyl | acyl | F | Br | NH-methyl |
| acyl | acyl | F | Br | NH-ethyl |
| acyl | acyl | F | Br | NH-acetyl |
| acyl | acyl | F | Br | OH |
| acyl | acyl | F | Br | OMe |
| acyl | acyl | F | Br | OEt |
| acyl | acyl | F | Br | O-cyclopropyl |
| acyl | acyl | F | Br | O-acetyl |
| acyl | acyl | F | Br | SH |
| acyl | acyl | F | Br | SMe |
| acyl | acyl | F | Br | SEt |
| acyl | acyl | F | Br | S-cyclopropyl |
| acyl | acyl | F | Br | F |
| acyl | acyl | F | Br | Cl |
| acyl | acyl | F | Br | Br |
| acyl | acyl | F | Br | I |
| acyl | amino acid | F | Br | H |
| acyl | amino acid | F | Br | NH ₂ |
| acyl | amino acid | F | Br | NH-cyclopropyl |
| acyl | amino acid | F | Br | NH-methyl |
| acyl | amino acid | F | Br | NH-ethyl |
| acyl | amino acid | F | Br | NH-acetyl |
| acyl | amino acid | F | Br | OH |
| acyl | amino acid | F | Br | OMe |
| acyl | amino acid | F | Br | OEt |
| acyl | amino acid | F | Br | O-cyclopropyl |
| acyl | amino acid | F | Br | O-acetyl |
| acyl | amino acid | F | Br | SH |
| acyl | amino acid | F | Br | SMe |
| acyl | amino acid | F | Br | SEt |
| acyl | amino acid | F | Br | S-cyclopropyl |
| acyl | amino acid | F | Br | F |
| acyl | amino acid | F | Br | Cl |
| acyl | amino acid | F | Br | Br |
| acyl | amino acid | F | Br | I |
| H | acyl | F | Br | H |
| H | acyl | F | Br | NH ₂ |
| H | acyl | F | Br | NH-cyclopropyl |
| H | acyl | F | Br | NH-methyl |
| H | acyl | F | Br | NH-ethyl |
| H | acyl | F | Br | NH-acetyl |
| H | acyl | F | Br | OH |
| H | acyl | F | Br | OMe |
| H | acyl | F | Br | OEt |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| H | acyl | F | Br | O-cyclopropyl |
| H | acyl | F | Br | O-acetyl |
| H | acyl | F | Br | SH |
| H | acyl | F | Br | SMe |
| H | acyl | F | Br | SEt |
| H | acyl | F | Br | S-cyclopropyl |
| H | acyl | F | Br | F |
| H | acyl | F | Br | Cl |
| H | acyl | F | Br | Br |
| H | acyl | F | Br | I |
| H | amino acid | F | Br | H |
| H | amino acid | F | Br | NH ₂ |
| H | amino acid | F | Br | NH-cyclopropyl |
| H | amino acid | F | Br | NH-methyl |
| H | amino acid | F | Br | NH-ethyl |
| H | amino acid | F | Br | NH-acetyl |
| H | amino acid | F | Br | OH |
| H | amino acid | F | Br | OMe |
| H | amino acid | F | Br | OEt |
| H | amino acid | F | Br | O-cyclopropyl |
| H | amino acid | F | Br | O-acetyl |
| H | amino acid | F | Br | SH |
| H | amino acid | F | Br | SMe |
| H | amino acid | F | Br | SEt |
| H | amino acid | F | Br | S-cyclopropyl |
| H | amino acid | F | Br | F |
| H | amino acid | F | Br | Cl |
| H | amino acid | F | Br | Br |
| H | amino acid | F | Br | I |
| amino acid | amino acid | F | Br | H |
| amino acid | amino acid | F | Br | NH ₂ |
| amino acid | amino acid | F | Br | NH-cyclopropyl |
| amino acid | amino acid | F | Br | NH-methyl |
| amino acid | amino acid | F | Br | NH-ethyl |
| amino acid | amino acid | F | Br | NH-acetyl |
| amino acid | amino acid | F | Br | OH |
| amino acid | amino acid | F | Br | OMe |
| amino acid | amino acid | F | Br | OEt |
| amino acid | amino acid | F | Br | O-cyclopropyl |
| amino acid | amino acid | F | Br | O-acetyl |
| amino acid | amino acid | F | Br | SH |
| amino acid | amino acid | F | Br | SMe |
| amino acid | amino acid | F | Br | SEt |
| amino acid | amino acid | F | Br | S-cyclopropyl |
| amino acid | amino acid | F | Br | F |
| amino acid | amino acid | F | Br | Cl |
| amino acid | amino acid | F | Br | Br |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| amino acid | amino acid | F | Br | I |
| amino acid | H | F | Br | H |
| amino acid | H | F | Br | NH ₂ |
| amino acid | H | F | Br | NH-cyclopropyl |
| amino acid | H | F | Br | NH-methyl |
| amino acid | H | F | Br | NH-ethyl |
| amino acid | H | F | Br | NH-acetyl |
| amino acid | H | F | Br | OH |
| amino acid | H | F | Br | OMe |
| amino acid | H | F | Br | OEt |
| amino acid | H | F | Br | O-cyclopropyl |
| amino acid | H | F | Br | O-acetyl |
| amino acid | H | F | Br | SH |
| amino acid | H | F | Br | SMe |
| amino acid | H | F | Br | SEt |
| amino acid | H | F | Br | S-cyclopropyl |
| amino acid | H | F | Br | F |
| amino acid | H | F | Br | Cl |
| amino acid | H | F | Br | Br |
| amino acid | H | F | Br | I |
| amino acid | acyl | F | Br | H |
| amino acid | acyl | F | Br | NH ₂ |
| amino acid | acyl | F | Br | NH-cyclopropyl |
| amino acid | acyl | F | Br | NH-methyl |
| amino acid | acyl | F | Br | NH-ethyl |
| amino acid | acyl | F | Br | NH-acetyl |
| amino acid | acyl | F | Br | OH |
| amino acid | acyl | F | Br | OMe |
| amino acid | acyl | F | Br | OEt |
| amino acid | acyl | F | Br | O-cyclopropyl |
| amino acid | acyl | F | Br | O-acetyl |
| amino acid | acyl | F | Br | SH |
| amino acid | acyl | F | Br | SMe |
| amino acid | acyl | F | Br | SEt |
| amino acid | acyl | F | Br | S-cyclopropyl |
| amino acid | acyl | F | Br | F |
| amino acid | acyl | F | Br | Cl |
| amino acid | acyl | F | Br | Br |
| amino acid | acyl | F | Br | I |
| acyl | H | Br | F | H |
| acyl | H | Br | F | NH ₂ |
| acyl | H | Br | F | NH-cyclopropyl |
| acyl | H | Br | F | NH-methyl |
| acyl | H | Br | F | NH-ethyl |
| acyl | H | Br | F | NH-acetyl |
| acyl | H | Br | F | OH |
| acyl | H | Br | F | OMe |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| acyl | H | Br | F | OEt |
| acyl | H | Br | F | O-cyclopropyl |
| acyl | H | Br | F | O-acetyl |
| acyl | H | Br | F | SH |
| acyl | H | Br | F | SMe |
| acyl | H | Br | F | SEt |
| acyl | H | Br | F | S-cyclopropyl |
| acyl | H | Br | F | F |
| acyl | H | Br | F | Cl |
| acyl | H | Br | F | Br |
| acyl | H | Br | F | I |
| acyl | acyl | Br | F | H |
| acyl | acyl | Br | F | NH ₂ |
| acyl | acyl | Br | F | NH-cyclopropyl |
| acyl | acyl | Br | F | NH-methyl |
| acyl | acyl | Br | F | NH-ethyl |
| acyl | acyl | Br | F | NH-acetyl |
| acyl | acyl | Br | F | OH |
| acyl | acyl | Br | F | OMe |
| acyl | acyl | Br | F | OEt |
| acyl | acyl | Br | F | O-cyclopropyl |
| acyl | acyl | Br | F | O-acetyl |
| acyl | acyl | Br | F | SH |
| acyl | acyl | Br | F | SMe |
| acyl | acyl | Br | F | SEt |
| acyl | acyl | Br | F | S-cyclopropyl |
| acyl | acyl | Br | F | F |
| acyl | acyl | Br | F | Cl |
| acyl | acyl | Br | F | Br |
| acyl | acyl | Br | F | I |
| acyl | amino acid | Br | F | H |
| acyl | amino acid | Br | F | NH ₂ |
| acyl | amino acid | Br | F | NH-cyclopropyl |
| acyl | amino acid | Br | F | NH-methyl |
| acyl | amino acid | Br | F | NH-ethyl |
| acyl | amino acid | Br | F | NH-acetyl |
| acyl | amino acid | Br | F | OH |
| acyl | amino acid | Br | F | OMe |
| acyl | amino acid | Br | F | OEt |
| acyl | amino acid | Br | F | O-cyclopropyl |
| acyl | amino acid | Br | F | O-acetyl |
| acyl | amino acid | Br | F | SH |
| acyl | amino acid | Br | F | SMe |
| acyl | amino acid | Br | F | SEt |
| acyl | amino acid | Br | F | S-cyclopropyl |
| acyl | amino acid | Br | F | F |
| acyl | amino acid | Br | F | Cl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| acyl | amino acid | Br | F | Br |
| acyl | amino acid | Br | F | I |
| H | acyl | Br | F | H |
| H | acyl | Br | F | NH ₂ |
| H | acyl | Br | F | NH-cyclopropyl |
| H | acyl | Br | F | NH-methyl |
| H | acyl | Br | F | NH-ethyl |
| H | acyl | Br | F | NH-acetyl |
| H | acyl | Br | F | OH |
| H | acyl | Br | F | OMe |
| H | acyl | Br | F | OEt |
| H | acyl | Br | F | O-cyclopropyl |
| H | acyl | Br | F | O-acetyl |
| H | acyl | Br | F | SH |
| H | acyl | Br | F | SMe |
| H | acyl | Br | F | SEt |
| H | acyl | Br | F | S-cyclopropyl |
| H | acyl | Br | F | F |
| H | acyl | Br | F | Cl |
| H | acyl | Br | F | Br |
| H | acyl | Br | F | I |
| H | amino acid | Br | F | H |
| H | amino acid | Br | F | NH ₂ |
| H | amino acid | Br | F | NH-cyclopropyl |
| H | amino acid | Br | F | NH-methyl |
| H | amino acid | Br | F | NH-ethyl |
| H | amino acid | Br | F | NH-acetyl |
| H | amino acid | Br | F | OH |
| H | amino acid | Br | F | OMe |
| H | amino acid | Br | F | OEt |
| H | amino acid | Br | F | O-cyclopropyl |
| H | amino acid | Br | F | O-acetyl |
| H | amino acid | Br | F | SH |
| H | amino acid | Br | F | SMe |
| H | amino acid | Br | F | SEt |
| H | amino acid | Br | F | S-cyclopropyl |
| H | amino acid | Br | F | F |
| H | amino acid | Br | F | Cl |
| H | amino acid | Br | F | Br |
| H | amino acid | Br | F | I |
| amino acid | amino acid | Br | F | H |
| amino acid | amino acid | Br | F | NH ₂ |
| amino acid | amino acid | Br | F | NH-cyclopropyl |
| amino acid | amino acid | Br | F | NH-methyl |
| amino acid | amino acid | Br | F | NH-ethyl |
| amino acid | amino acid | Br | F | NH-acetyl |
| amino acid | amino acid | Br | F | OH |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| amino acid | amino acid | Br | F | OMe |
| amino acid | amino acid | Br | F | OEt |
| amino acid | amino acid | Br | F | O-cyclopropyl |
| amino acid | amino acid | Br | F | O-acetyl |
| amino acid | amino acid | Br | F | SH |
| amino acid | amino acid | Br | F | SMe |
| amino acid | amino acid | Br | F | SEt |
| amino acid | amino acid | Br | F | S-cyclopropyl |
| amino acid | amino acid | Br | F | F |
| amino acid | amino acid | Br | F | Cl |
| amino acid | amino acid | Br | F | Br |
| amino acid | amino acid | Br | F | I |
| amino acid | H | Br | F | H |
| amino acid | H | Br | F | NH ₂ |
| amino acid | H | Br | F | NH-cyclopropyl |
| amino acid | H | Br | F | NH-methyl |
| amino acid | H | Br | F | NH-ethyl |
| amino acid | H | Br | F | NH-acetyl |
| amino acid | H | Br | F | OH |
| amino acid | H | Br | F | OMe |
| amino acid | H | Br | F | OEt |
| amino acid | H | Br | F | O-cyclopropyl |
| amino acid | H | Br | F | O-acetyl |
| amino acid | H | Br | F | SH |
| amino acid | H | Br | F | SMe |
| amino acid | H | Br | F | SEt |
| amino acid | H | Br | F | S-cyclopropyl |
| amino acid | H | Br | F | F |
| amino acid | H | Br | F | Cl |
| amino acid | H | Br | F | Br |
| amino acid | H | Br | F | I |
| amino acid | acyl | Br | F | H |
| amino acid | acyl | Br | F | NH ₂ |
| amino acid | acyl | Br | F | NH-cyclopropyl |
| amino acid | acyl | Br | F | NH-methyl |
| amino acid | acyl | Br | F | NH-ethyl |
| amino acid | acyl | Br | F | NH-acetyl |
| amino acid | acyl | Br | F | OH |
| amino acid | acyl | Br | F | OMe |
| amino acid | acyl | Br | F | OEt |
| amino acid | acyl | Br | F | O-cyclopropyl |
| amino acid | acyl | Br | F | O-acetyl |
| amino acid | acyl | Br | F | SH |
| amino acid | acyl | Br | F | SMe |
| amino acid | acyl | Br | F | SEt |
| amino acid | acyl | Br | F | S-cyclopropyl |
| amino acid | acyl | Br | F | F |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| amino acid | acyl | Br | F | Cl |
| amino acid | acyl | Br | F | Br |
| amino acid | acyl | Br | F | I |
| acyl | H | F | Cl | H |
| acyl | H | F | Cl | NH ₂ |
| acyl | H | F | Cl | NH-cyclopropyl |
| acyl | H | F | Cl | NH-methyl |
| acyl | H | F | Cl | NH-ethyl |
| acyl | H | F | Cl | NH-acetyl |
| acyl | H | F | Cl | OH |
| acyl | H | F | Cl | OMe |
| acyl | H | F | Cl | OEt |
| acyl | H | F | Cl | O-cyclopropyl |
| acyl | H | F | Cl | O-acetyl |
| acyl | H | F | Cl | SH |
| acyl | H | F | Cl | SMe |
| acyl | H | F | Cl | SEt |
| acyl | H | F | Cl | S-cyclopropyl |
| acyl | H | F | Cl | F |
| acyl | H | F | Cl | Cl |
| acyl | H | F | Cl | Br |
| acyl | H | F | Cl | I |
| acyl | acyl | F | Cl | H |
| acyl | acyl | F | Cl | NH ₂ |
| acyl | acyl | F | Cl | NH-cyclopropyl |
| acyl | acyl | F | Cl | NH-methyl |
| acyl | acyl | F | Cl | NH-ethyl |
| acyl | acyl | F | Cl | NH-acetyl |
| acyl | acyl | F | Cl | OH |
| acyl | acyl | F | Cl | OMe |
| acyl | acyl | F | Cl | OEt |
| acyl | acyl | F | Cl | O-cyclopropyl |
| acyl | acyl | F | Cl | O-acetyl |
| acyl | acyl | F | Cl | SH |
| acyl | acyl | F | Cl | SMe |
| acyl | acyl | F | Cl | SEt |
| acyl | acyl | F | Cl | S-cyclopropyl |
| acyl | acyl | F | Cl | F |
| acyl | acyl | F | Cl | Cl |
| acyl | acyl | F | Cl | Br |
| acyl | acyl | F | Cl | I |
| acyl | amino acid | F | Cl | H |
| acyl | amino acid | F | Cl | NH ₂ |
| acyl | amino acid | F | Cl | NH-cyclopropyl |
| acyl | amino acid | F | Cl | NH-methyl |
| acyl | amino acid | F | Cl | NH-ethyl |
| acyl | amino acid | F | Cl | NH-acetyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| acyl | amino acid | F | Cl | OH |
| acyl | amino acid | F | Cl | OMe |
| acyl | amino acid | F | Cl | OEt |
| acyl | amino acid | F | Cl | O-cyclopropyl |
| acyl | amino acid | F | Cl | O-acetyl |
| acyl | amino acid | F | Cl | SH |
| acyl | amino acid | F | Cl | SMe |
| acyl | amino acid | F | Cl | SEt |
| acyl | amino acid | F | Cl | S-cyclopropyl |
| acyl | amino acid | F | Cl | F |
| acyl | amino acid | F | Cl | Cl |
| acyl | amino acid | F | Cl | Br |
| acyl | amino acid | F | Cl | I |
| H | acyl | F | Cl | H |
| H | acyl | F | Cl | NH ₂ |
| H | acyl | F | Cl | NH-cyclopropyl |
| H | acyl | F | Cl | NH-methyl |
| H | acyl | F | Cl | NH-ethyl |
| H | acyl | F | Cl | NH-acetyl |
| H | acyl | F | Cl | OH |
| H | acyl | F | Cl | OMe |
| H | acyl | F | Cl | OEt |
| H | acyl | F | Cl | O-cyclopropyl |
| H | acyl | F | Cl | O-acetyl |
| H | acyl | F | Cl | SH |
| H | acyl | F | Cl | SMe |
| H | acyl | F | Cl | SEt |
| H | acyl | F | Cl | S-cyclopropyl |
| H | acyl | F | Cl | F |
| H | acyl | F | Cl | Cl |
| H | acyl | F | Cl | Br |
| H | acyl | F | Cl | I |
| H | amino acid | F | Cl | H |
| H | amino acid | F | Cl | NH ₂ |
| H | amino acid | F | Cl | NH-cyclopropyl |
| H | amino acid | F | Cl | NH-methyl |
| H | amino acid | F | Cl | NH-ethyl |
| H | amino acid | F | Cl | NH-acetyl |
| H | amino acid | F | Cl | OH |
| H | amino acid | F | Cl | OMe |
| H | amino acid | F | Cl | OEt |
| H | amino acid | F | Cl | O-cyclopropyl |
| H | amino acid | F | Cl | O-acetyl |
| H | amino acid | F | Cl | SH |
| H | amino acid | F | Cl | SMe |
| H | amino acid | F | Cl | SEt |
| H | amino acid | F | Cl | S-cyclopropyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| H | amino acid | F | Cl | F |
| H | amino acid | F | Cl | Cl |
| H | amino acid | F | Cl | Br |
| H | amino acid | F | Cl | I |
| amino acid | amino acid | F | Cl | H |
| amino acid | amino acid | F | Cl | NH ₂ |
| amino acid | amino acid | F | Cl | NH-cyclopropyl |
| amino acid | amino acid | F | Cl | NH-methyl |
| amino acid | amino acid | F | Cl | NH-ethyl |
| amino acid | amino acid | F | Cl | NH-acetyl |
| amino acid | amino acid | F | Cl | OH |
| amino acid | amino acid | F | Cl | OMe |
| amino acid | amino acid | F | Cl | OEt |
| amino acid | amino acid | F | Cl | O-cyclopropyl |
| amino acid | amino acid | F | Cl | O-acetyl |
| amino acid | amino acid | F | Cl | SH |
| amino acid | amino acid | F | Cl | SMe |
| amino acid | amino acid | F | Cl | SEt |
| amino acid | amino acid | F | Cl | S-cyclopropyl |
| amino acid | amino acid | F | Cl | F |
| amino acid | amino acid | F | Cl | Cl |
| amino acid | amino acid | F | Cl | Br |
| amino acid | amino acid | F | Cl | I |
| amino acid | H | F | Cl | H |
| amino acid | H | F | Cl | NH ₂ |
| amino acid | H | F | Cl | NH-cyclopropyl |
| amino acid | H | F | Cl | NH-methyl |
| amino acid | H | F | Cl | NH-ethyl |
| amino acid | H | F | Cl | NH-acetyl |
| amino acid | H | F | Cl | OH |
| amino acid | H | F | Cl | OMe |
| amino acid | H | F | Cl | OEt |
| amino acid | H | F | Cl | O-cyclopropyl |
| amino acid | H | F | Cl | O-acetyl |
| amino acid | H | F | Cl | SH |
| amino acid | H | F | Cl | SMe |
| amino acid | H | F | Cl | SEt |
| amino acid | H | F | Cl | S-cyclopropyl |
| amino acid | H | F | Cl | F |
| amino acid | H | F | Cl | Cl |
| amino acid | H | F | Cl | Br |
| amino acid | H | F | Cl | I |
| amino acid | acyl | F | Cl | H |
| amino acid | acyl | F | Cl | NH ₂ |
| amino acid | acyl | F | Cl | NH-cyclopropyl |
| amino acid | acyl | F | Cl | NH-methyl |
| amino acid | acyl | F | Cl | NH-ethyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| amino acid | acyl | F | Cl | NH-acetyl |
| amino acid | acyl | F | Cl | OH |
| amino acid | acyl | F | Cl | OMe |
| amino acid | acyl | F | Cl | OEt |
| amino acid | acyl | F | Cl | O-cyclopropyl |
| amino acid | acyl | F | Cl | O-acetyl |
| amino acid | acyl | F | Cl | SH |
| amino acid | acyl | F | Cl | SMe |
| amino acid | acyl | F | Cl | SEt |
| amino acid | acyl | F | Cl | S-cyclopropyl |
| amino acid | acyl | F | Cl | F |
| amino acid | acyl | F | Cl | Cl |
| amino acid | acyl | F | Cl | Br |
| amino acid | acyl | F | Cl | I |
| acyl | H | Cl | F | H |
| acyl | H | Cl | F | NH ₂ |
| acyl | H | Cl | F | NH-cyclopropyl |
| acyl | H | Cl | F | NH-methyl |
| acyl | H | Cl | F | NH-ethyl |
| acyl | H | Cl | F | NH-acetyl |
| acyl | H | Cl | F | OH |
| acyl | H | Cl | F | OMe |
| acyl | H | Cl | F | OEt |
| acyl | H | Cl | F | O-cyclopropyl |
| acyl | H | Cl | F | O-acetyl |
| acyl | H | Cl | F | SH |
| acyl | H | Cl | F | SMe |
| acyl | H | Cl | F | SEt |
| acyl | H | Cl | F | S-cyclopropyl |
| acyl | H | Cl | F | F |
| acyl | H | Cl | F | Cl |
| acyl | H | Cl | F | Br |
| acyl | H | Cl | F | I |
| acyl | acyl | Cl | F | H |
| acyl | acyl | Cl | F | NH ₂ |
| acyl | acyl | Cl | F | NH-cyclopropyl |
| acyl | acyl | Cl | F | NH-methyl |
| acyl | acyl | Cl | F | NH-ethyl |
| acyl | acyl | Cl | F | NH-acetyl |
| acyl | acyl | Cl | F | OH |
| acyl | acyl | Cl | F | OMe |
| acyl | acyl | Cl | F | OEt |
| acyl | acyl | Cl | F | O-cyclopropyl |
| acyl | acyl | Cl | F | O-acetyl |
| acyl | acyl | Cl | F | SH |
| acyl | acyl | Cl | F | SMe |
| acyl | acyl | Cl | F | SEt |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| acyl | acyl | Cl | F | S-cyclopropyl |
| acyl | acyl | Cl | F | F |
| acyl | acyl | Cl | F | Cl |
| acyl | acyl | Cl | F | Br |
| acyl | acyl | Cl | F | I |
| acyl | amino acid | Cl | F | H |
| acyl | amino acid | Cl | F | NH ₂ |
| acyl | amino acid | Cl | F | NH-cyclopropyl |
| acyl | amino acid | Cl | F | NH-methyl |
| acyl | amino acid | Cl | F | NH-ethyl |
| acyl | amino acid | Cl | F | NH-acetyl |
| acyl | amino acid | Cl | F | OH |
| acyl | amino acid | Cl | F | OMe |
| acyl | amino acid | Cl | F | OEt |
| acyl | amino acid | Cl | F | O-cyclopropyl |
| acyl | amino acid | Cl | F | O-acetyl |
| acyl | amino acid | Cl | F | SH |
| acyl | amino acid | Cl | F | SMe |
| acyl | amino acid | Cl | F | SEt |
| acyl | amino acid | Cl | F | S-cyclopropyl |
| acyl | amino acid | Cl | F | F |
| acyl | amino acid | Cl | F | Cl |
| acyl | amino acid | Cl | F | Br |
| acyl | amino acid | Cl | F | I |
| H | acyl | Cl | F | H |
| H | acyl | Cl | F | NH ₂ |
| H | acyl | Cl | F | NH-cyclopropyl |
| H | acyl | Cl | F | NH-methyl |
| H | acyl | Cl | F | NH-ethyl |
| H | acyl | Cl | F | NH-acetyl |
| H | acyl | Cl | F | OH |
| H | acyl | Cl | F | OMe |
| H | acyl | Cl | F | OEt |
| H | acyl | Cl | F | O-cyclopropyl |
| H | acyl | Cl | F | O-acetyl |
| H | acyl | Cl | F | SH |
| H | acyl | Cl | F | SMe |
| H | acyl | Cl | F | SEt |
| H | acyl | Cl | F | S-cyclopropyl |
| H | acyl | Cl | F | F |
| H | acyl | Cl | F | Cl |
| H | acyl | Cl | F | Br |
| H | acyl | Cl | F | I |
| H | amino acid | Cl | F | H |
| H | amino acid | Cl | F | NH ₂ |
| H | amino acid | Cl | F | NH-cyclopropyl |
| H | amino acid | Cl | F | NH-methyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| H | amino acid | Cl | F | NH-ethyl |
| H | amino acid | Cl | F | NH-acetyl |
| H | amino acid | Cl | F | OH |
| H | amino acid | Cl | F | OMe |
| H | amino acid | Cl | F | OEt |
| H | amino acid | Cl | F | O-cyclopropyl |
| H | amino acid | Cl | F | O-acetyl |
| H | amino acid | Cl | F | SH |
| H | amino acid | Cl | F | SMe |
| H | amino acid | Cl | F | SEt |
| H | amino acid | Cl | F | S-cyclopropyl |
| H | amino acid | Cl | F | F |
| H | amino acid | Cl | F | Cl |
| H | amino acid | Cl | F | Br |
| H | amino acid | Cl | F | I |
| amino acid | amino acid | Cl | F | H |
| amino acid | amino acid | Cl | F | NH ₂ |
| amino acid | amino acid | Cl | F | NH-cyclopropyl |
| amino acid | amino acid | Cl | F | NH-methyl |
| amino acid | amino acid | Cl | F | NH-ethyl |
| amino acid | amino acid | Cl | F | NH-acetyl |
| amino acid | amino acid | Cl | F | OH |
| amino acid | amino acid | Cl | F | OMe |
| amino acid | amino acid | Cl | F | OEt |
| amino acid | amino acid | Cl | F | O-cyclopropyl |
| amino acid | amino acid | Cl | F | O-acetyl |
| amino acid | amino acid | Cl | F | SH |
| amino acid | amino acid | Cl | F | SMe |
| amino acid | amino acid | Cl | F | SEt |
| amino acid | amino acid | Cl | F | S-cyclopropyl |
| amino acid | amino acid | Cl | F | F |
| amino acid | amino acid | Cl | F | Cl |
| amino acid | amino acid | Cl | F | Br |
| amino acid | amino acid | Cl | F | I |
| amino acid | H | Cl | F | H |
| amino acid | H | Cl | F | NH ₂ |
| amino acid | H | Cl | F | NH-cyclopropyl |
| amino acid | H | Cl | F | NH-methyl |
| amino acid | H | Cl | F | NH-ethyl |
| amino acid | H | Cl | F | NH-acetyl |
| amino acid | H | Cl | F | OH |
| amino acid | H | Cl | F | OMe |
| amino acid | H | Cl | F | OEt |
| amino acid | H | Cl | F | O-cyclopropyl |
| amino acid | H | Cl | F | O-acetyl |
| amino acid | H | Cl | F | SH |
| amino acid | H | Cl | F | SMe |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| amino acid | H | Cl | F | SEt |
| amino acid | H | Cl | F | S-cyclopropyl |
| amino acid | H | Cl | F | F |
| amino acid | H | Cl | F | Cl |
| amino acid | H | Cl | F | Br |
| amino acid | H | Cl | F | I |
| amino acid | acyl | Cl | F | H |
| amino acid | acyl | Cl | F | NH ₂ |
| amino acid | acyl | Cl | F | NH-cyclopropyl |
| amino acid | acyl | Cl | F | NH-methyl |
| amino acid | acyl | Cl | F | NH-ethyl |
| amino acid | acyl | Cl | F | NH-acetyl |
| amino acid | acyl | Cl | F | OH |
| amino acid | acyl | Cl | F | OMe |
| amino acid | acyl | Cl | F | OEt |
| amino acid | acyl | Cl | F | O-cyclopropyl |
| amino acid | acyl | Cl | F | O-acetyl |
| amino acid | acyl | Cl | F | SH |
| amino acid | acyl | Cl | F | SMe |
| amino acid | acyl | Cl | F | SEt |
| amino acid | acyl | Cl | F | S-cyclopropyl |
| amino acid | acyl | Cl | F | F |
| amino acid | acyl | Cl | F | Cl |
| amino acid | acyl | Cl | F | Br |
| amino acid | acyl | Cl | F | I |
| acyl | H | SH | H | H |
| acyl | H | SH | H | NH ₂ |
| acyl | H | SH | H | NH-cyclopropyl |
| acyl | H | SH | H | NH-methyl |
| acyl | H | SH | H | NH-ethyl |
| acyl | H | SH | H | NH-acetyl |
| acyl | H | SH | H | OH |
| acyl | H | SH | H | OMe |
| acyl | H | SH | H | OEt |
| acyl | H | SH | H | O-cyclopropyl |
| acyl | H | SH | H | O-acetyl |
| acyl | H | SH | H | SH |
| acyl | H | SH | H | SMe |
| acyl | H | SH | H | SEt |
| acyl | H | SH | H | S-cyclopropyl |
| acyl | H | SH | H | F |
| acyl | H | SH | H | Cl |
| acyl | H | SH | H | Br |
| acyl | H | SH | H | I |
| acyl | acyl | SH | H | H |
| acyl | acyl | SH | H | NH ₂ |
| acyl | acyl | SH | H | NH-cyclopropyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| acyl | acyl | SH | H | NH-methyl |
| acyl | acyl | SH | H | NH-ethyl |
| acyl | acyl | SH | H | NH-acetyl |
| acyl | acyl | SH | H | OH |
| acyl | acyl | SH | H | OMe |
| acyl | acyl | SH | H | OEt |
| acyl | acyl | SH | H | O-cyclopropyl |
| acyl | acyl | SH | H | O-acetyl |
| acyl | acyl | SH | H | SH |
| acyl | acyl | SH | H | SMe |
| acyl | acyl | SH | H | SEt |
| acyl | acyl | SH | H | S-cyclopropyl |
| acyl | acyl | SH | H | F |
| acyl | acyl | SH | H | Cl |
| acyl | acyl | SH | H | Br |
| acyl | acyl | SH | H | I |
| acyl | amino acid | SH | H | H |
| acyl | amino acid | SH | H | NH ₂ |
| acyl | amino acid | SH | H | NH-cyclopropyl |
| acyl | amino acid | SH | H | NH-methyl |
| acyl | amino acid | SH | H | NH-ethyl |
| acyl | amino acid | SH | H | NH-acetyl |
| acyl | amino acid | SH | H | OH |
| acyl | amino acid | SH | H | OMe |
| acyl | amino acid | SH | H | OEt |
| acyl | amino acid | SH | H | O-cyclopropyl |
| acyl | amino acid | SH | H | O-acetyl |
| acyl | amino acid | SH | H | SH |
| acyl | amino acid | SH | H | SMe |
| acyl | amino acid | SH | H | SEt |
| acyl | amino acid | SH | H | S-cyclopropyl |
| acyl | amino acid | SH | H | F |
| acyl | amino acid | SH | H | Cl |
| acyl | amino acid | SH | H | Br |
| acyl | amino acid | SH | H | I |
| H | acyl | SH | H | H |
| H | acyl | SH | H | NH ₂ |
| H | acyl | SH | H | NH-cyclopropyl |
| H | acyl | SH | H | NH-methyl |
| H | acyl | SH | H | NH-ethyl |
| H | acyl | SH | H | NH-acetyl |
| H | acyl | SH | H | OH |
| H | acyl | SH | H | OMe |
| H | acyl | SH | H | OEt |
| H | acyl | SH | H | O-cyclopropyl |
| H | acyl | SH | H | O-acetyl |
| H | acyl | SH | H | SH |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| H | acyl | SH | H | SMe |
| H | acyl | SH | H | SEt |
| H | acyl | SH | H | S-cyclopropyl |
| H | acyl | SH | H | F |
| H | acyl | SH | H | Cl |
| H | acyl | SH | H | Br |
| H | acyl | SH | H | I |
| H | amino acid | SH | H | H |
| H | amino acid | SH | H | NH ₂ |
| H | amino acid | SH | H | NH-cyclopropyl |
| H | amino acid | SH | H | NH-methyl |
| H | amino acid | SH | H | NH-ethyl |
| H | amino acid | SH | H | NH-acetyl |
| H | amino acid | SH | H | OH |
| H | amino acid | SH | H | OMe |
| H | amino acid | SH | H | OEt |
| H | amino acid | SH | H | O-cyclopropyl |
| H | amino acid | SH | H | O-acetyl |
| H | amino acid | SH | H | SH |
| H | amino acid | SH | H | SMe |
| H | amino acid | SH | H | SEt |
| H | amino acid | SH | H | S-cyclopropyl |
| H | amino acid | SH | H | F |
| H | amino acid | SH | H | Cl |
| H | amino acid | SH | H | Br |
| H | amino acid | SH | H | I |
| amino acid | amino acid | SH | H | H |
| amino acid | amino acid | SH | H | NH ₂ |
| amino acid | amino acid | SH | H | NH-cyclopropyl |
| amino acid | amino acid | SH | H | NH-methyl |
| amino acid | amino acid | SH | H | NH-ethyl |
| amino acid | amino acid | SH | H | NH-acetyl |
| amino acid | amino acid | SH | H | OH |
| amino acid | amino acid | SH | H | OMe |
| amino acid | amino acid | SH | H | OEt |
| amino acid | amino acid | SH | H | O-cyclopropyl |
| amino acid | amino acid | SH | H | O-acetyl |
| amino acid | amino acid | SH | H | SH |
| amino acid | amino acid | SH | H | SMe |
| amino acid | amino acid | SH | H | SEt |
| amino acid | amino acid | SH | H | S-cyclopropyl |
| amino acid | amino acid | SH | H | F |
| amino acid | amino acid | SH | H | Cl |
| amino acid | amino acid | SH | H | Br |
| amino acid | amino acid | SH | H | I |
| amino acid | H | SH | H | H |
| amino acid | H | SH | H | NH ₂ |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| amino acid | H | SH | H | NH-cyclopropyl |
| amino acid | H | SH | H | NH-methyl |
| amino acid | H | SH | H | NH-ethyl |
| amino acid | H | SH | H | NH-acetyl |
| amino acid | H | SH | H | OH |
| amino acid | H | SH | H | OMe |
| amino acid | H | SH | H | OEt |
| amino acid | H | SH | H | O-cyclopropyl |
| amino acid | H | SH | H | O-acetyl |
| amino acid | H | SH | H | SH |
| amino acid | H | SH | H | SMe |
| amino acid | H | SH | H | SEt |
| amino acid | H | SH | H | S-cyclopropyl |
| amino acid | H | SH | H | F |
| amino acid | H | SH | H | Cl |
| amino acid | H | SH | H | Br |
| amino acid | H | SH | H | I |
| amino acid | acyl | SH | H | H |
| amino acid | acyl | SH | H | NH ₂ |
| amino acid | acyl | SH | H | NH-cyclopropyl |
| amino acid | acyl | SH | H | NH-methyl |
| amino acid | acyl | SH | H | NH-ethyl |
| amino acid | acyl | SH | H | NH-acetyl |
| amino acid | acyl | SH | H | OH |
| amino acid | acyl | SH | H | OMe |
| amino acid | acyl | SH | H | OEt |
| amino acid | acyl | SH | H | O-cyclopropyl |
| amino acid | acyl | SH | H | O-acetyl |
| amino acid | acyl | SH | H | SH |
| amino acid | acyl | SH | H | SMe |
| amino acid | acyl | SH | H | SEt |
| amino acid | acyl | SH | H | S-cyclopropyl |
| amino acid | acyl | SH | H | F |
| amino acid | acyl | SH | H | Cl |
| amino acid | acyl | SH | H | Br |
| amino acid | acyl | SH | H | I |
| acyl | H | SH | F | H |
| acyl | H | SH | F | NH ₂ |
| acyl | H | SH | F | NH-cyclopropyl |
| acyl | H | SH | F | NH-methyl |
| acyl | H | SH | F | NH-ethyl |
| acyl | H | SH | F | NH-acetyl |
| acyl | H | SH | F | OH |
| acyl | H | SH | F | OMe |
| acyl | H | SH | F | OEt |
| acyl | H | SH | F | O-cyclopropyl |
| acyl | H | SH | F | O-acetyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| acyl | H | SH | F | SH |
| acyl | H | SH | F | SMe |
| acyl | H | SH | F | SEt |
| acyl | H | SH | F | S-cyclopropyl |
| acyl | H | SH | F | F |
| acyl | H | SH | F | Cl |
| acyl | H | SH | F | Br |
| acyl | H | SH | F | I |
| acyl | acyl | SH | F | H |
| acyl | acyl | SH | F | NH ₂ |
| acyl | acyl | SH | F | NH-cyclopropyl |
| acyl | acyl | SH | F | NH-methyl |
| acyl | acyl | SH | F | NH-ethyl |
| acyl | acyl | SH | F | NH-acetyl |
| acyl | acyl | SH | F | OH |
| acyl | acyl | SH | F | OMe |
| acyl | acyl | SH | F | OEt |
| acyl | acyl | SH | F | O-cyclopropyl |
| acyl | acyl | SH | F | O-acetyl |
| acyl | acyl | SH | F | SH |
| acyl | acyl | SH | F | SMe |
| acyl | acyl | SH | F | SEt |
| acyl | acyl | SH | F | S-cyclopropyl |
| acyl | acyl | SH | F | F |
| acyl | acyl | SH | F | Cl |
| acyl | acyl | SH | F | Br |
| acyl | acyl | SH | F | I |
| acyl | amino acid | SH | F | H |
| acyl | amino acid | SH | F | NH ₂ |
| acyl | amino acid | SH | F | NH-cyclopropyl |
| acyl | amino acid | SH | F | NH-methyl |
| acyl | amino acid | SH | F | NH-ethyl |
| acyl | amino acid | SH | F | NH-acetyl |
| acyl | amino acid | SH | F | OH |
| acyl | amino acid | SH | F | OMe |
| acyl | amino acid | SH | F | OEt |
| acyl | amino acid | SH | F | O-cyclopropyl |
| acyl | amino acid | SH | F | O-acetyl |
| acyl | amino acid | SH | F | SH |
| acyl | amino acid | SH | F | SMe |
| acyl | amino acid | SH | F | SEt |
| acyl | amino acid | SH | F | S-cyclopropyl |
| acyl | amino acid | SH | F | F |
| acyl | amino acid | SH | F | Cl |
| acyl | amino acid | SH | F | Br |
| acyl | amino acid | SH | F | I |
| H | acyl | SH | F | H |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| H | acyl | SH | F | NH ₂ |
| H | acyl | SH | F | NH-cyclopropyl |
| H | acyl | SH | F | NH-methyl |
| H | acyl | SH | F | NH-ethyl |
| H | acyl | SH | F | NH-acetyl |
| H | acyl | SH | F | OH |
| H | acyl | SH | F | OMe |
| H | acyl | SH | F | OEt |
| H | acyl | SH | F | O-cyclopropyl |
| H | acyl | SH | F | O-acetyl |
| H | acyl | SH | F | SH |
| H | acyl | SH | F | SMe |
| H | acyl | SH | F | SEt |
| H | acyl | SH | F | S-cyclopropyl |
| H | acyl | SH | F | F |
| H | acyl | SH | F | Cl |
| H | acyl | SH | F | Br |
| H | acyl | SH | F | I |
| H | amino acid | SH | F | H |
| H | amino acid | SH | F | NH ₂ |
| H | amino acid | SH | F | NH-cyclopropyl |
| H | amino acid | SH | F | NH-methyl |
| H | amino acid | SH | F | NH-ethyl |
| H | amino acid | SH | F | NH-acetyl |
| H | amino acid | SH | F | OH |
| H | amino acid | SH | F | OMe |
| H | amino acid | SH | F | OEt |
| H | amino acid | SH | F | O-cyclopropyl |
| H | amino acid | SH | F | O-acetyl |
| H | amino acid | SH | F | SH |
| H | amino acid | SH | F | SMe |
| H | amino acid | SH | F | SEt |
| H | amino acid | SH | F | S-cyclopropyl |
| H | amino acid | SH | F | F |
| H | amino acid | SH | F | Cl |
| H | amino acid | SH | F | Br |
| H | amino acid | SH | F | I |
| amino acid | amino acid | SH | F | H |
| amino acid | amino acid | SH | F | NH ₂ |
| amino acid | amino acid | SH | F | NH-cyclopropyl |
| amino acid | amino acid | SH | F | NH-methyl |
| amino acid | amino acid | SH | F | NH-ethyl |
| amino acid | amino acid | SH | F | NH-acetyl |
| amino acid | amino acid | SH | F | OH |
| amino acid | amino acid | SH | F | OMe |
| amino acid | amino acid | SH | F | OEt |
| amino acid | amino acid | SH | F | O-cyclopropyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| amino acid | amino acid | SH | F | O-acetyl |
| amino acid | amino acid | SH | F | SH |
| amino acid | amino acid | SH | F | SMe |
| amino acid | amino acid | SH | F | SEt |
| amino acid | amino acid | SH | F | S-cyclopropyl |
| amino acid | amino acid | SH | F | F |
| amino acid | amino acid | SH | F | Cl |
| amino acid | amino acid | SH | F | Br |
| amino acid | amino acid | SH | F | I |
| amino acid | H | SH | F | H |
| amino acid | H | SH | F | NH ₂ |
| amino acid | H | SH | F | NH-cyclopropyl |
| amino acid | H | SH | F | NH-methyl |
| amino acid | H | SH | F | NH-ethyl |
| amino acid | H | SH | F | NH-acetyl |
| amino acid | H | SH | F | OH |
| amino acid | H | SH | F | OMe |
| amino acid | H | SH | F | OEt |
| amino acid | H | SH | F | O-cyclopropyl |
| amino acid | H | SH | F | O-acetyl |
| amino acid | H | SH | F | SH |
| amino acid | H | SH | F | SMe |
| amino acid | H | SH | F | SEt |
| amino acid | H | SH | F | S-cyclopropyl |
| amino acid | H | SH | F | F |
| amino acid | H | SH | F | Cl |
| amino acid | H | SH | F | Br |
| amino acid | H | SH | F | I |
| amino acid | acyl | SH | F | H |
| amino acid | acyl | SH | F | NH ₂ |
| amino acid | acyl | SH | F | NH-cyclopropyl |
| amino acid | acyl | SH | F | NH-methyl |
| amino acid | acyl | SH | F | NH-ethyl |
| amino acid | acyl | SH | F | NH-acetyl |
| amino acid | acyl | SH | F | OH |
| amino acid | acyl | SH | F | OMe |
| amino acid | acyl | SH | F | OEt |
| amino acid | acyl | SH | F | O-cyclopropyl |
| amino acid | acyl | SH | F | O-acetyl |
| amino acid | acyl | SH | F | SH |
| amino acid | acyl | SH | F | SMe |
| amino acid | acyl | SH | F | SEt |
| amino acid | acyl | SH | F | S-cyclopropyl |
| amino acid | acyl | SH | F | F |
| amino acid | acyl | SH | F | Cl |
| amino acid | acyl | SH | F | Br |
| amino acid | acyl | SH | F | I |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| acyl | H | SH | Cl | H |
| acyl | H | SH | Cl | NH ₂ |
| acyl | H | SH | Cl | NH-cyclopropyl |
| acyl | H | SH | Cl | NH-methyl |
| acyl | H | SH | Cl | NH-ethyl |
| acyl | H | SH | Cl | NH-acetyl |
| acyl | H | SH | Cl | OH |
| acyl | H | SH | Cl | OMe |
| acyl | H | SH | Cl | OEt |
| acyl | H | SH | Cl | O-cyclopropyl |
| acyl | H | SH | Cl | O-acetyl |
| acyl | H | SH | Cl | SH |
| acyl | H | SH | Cl | SMe |
| acyl | H | SH | Cl | SEt |
| acyl | H | SH | Cl | S-cyclopropyl |
| acyl | H | SH | Cl | F |
| acyl | H | SH | Cl | Cl |
| acyl | H | SH | Cl | Br |
| acyl | H | SH | Cl | I |
| acyl | acyl | SH | Cl | H |
| acyl | acyl | SH | Cl | NH ₂ |
| acyl | acyl | SH | Cl | NH-cyclopropyl |
| acyl | acyl | SH | Cl | NH-methyl |
| acyl | acyl | SH | Cl | NH-ethyl |
| acyl | acyl | SH | Cl | NH-acetyl |
| acyl | acyl | SH | Cl | OH |
| acyl | acyl | SH | Cl | OMe |
| acyl | acyl | SH | Cl | OEt |
| acyl | acyl | SH | Cl | O-cyclopropyl |
| acyl | acyl | SH | Cl | O-acetyl |
| acyl | acyl | SH | Cl | SH |
| acyl | acyl | SH | Cl | SMe |
| acyl | acyl | SH | Cl | SEt |
| acyl | acyl | SH | Cl | S-cyclopropyl |
| acyl | acyl | SH | Cl | F |
| acyl | acyl | SH | Cl | Cl |
| acyl | acyl | SH | Cl | Br |
| acyl | acyl | SH | Cl | I |
| acyl | amino acid | SH | Cl | H |
| acyl | amino acid | SH | Cl | NH ₂ |
| acyl | amino acid | SH | Cl | NH-cyclopropyl |
| acyl | amino acid | SH | Cl | NH-methyl |
| acyl | amino acid | SH | Cl | NH-ethyl |
| acyl | amino acid | SH | Cl | NH-acetyl |
| acyl | amino acid | SH | Cl | OH |
| acyl | amino acid | SH | Cl | OMe |
| acyl | amino acid | SH | Cl | OEt |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| acyl | amino acid | SH | Cl | O-cyclopropyl |
| acyl | amino acid | SH | Cl | O-acetyl |
| acyl | amino acid | SH | Cl | SH |
| acyl | amino acid | SH | Cl | SMe |
| acyl | amino acid | SH | Cl | SEt |
| acyl | amino acid | SH | Cl | S-cyclopropyl |
| acyl | amino acid | SH | Cl | F |
| acyl | amino acid | SH | Cl | Cl |
| acyl | amino acid | SH | Cl | Br |
| acyl | amino acid | SH | Cl | I |
| H | acyl | SH | Cl | H |
| H | acyl | SH | Cl | NH ₂ |
| H | acyl | SH | Cl | NH-cyclopropyl |
| H | acyl | SH | Cl | NH-methyl |
| H | acyl | SH | Cl | NH-ethyl |
| H | acyl | SH | Cl | NH-acetyl |
| H | acyl | SH | Cl | OH |
| H | acyl | SH | Cl | OMe |
| H | acyl | SH | Cl | OEt |
| H | acyl | SH | Cl | O-cyclopropyl |
| H | acyl | SH | Cl | O-acetyl |
| H | acyl | SH | Cl | SH |
| H | acyl | SH | Cl | SMe |
| H | acyl | SH | Cl | SEt |
| H | acyl | SH | Cl | S-cyclopropyl |
| H | acyl | SH | Cl | F |
| H | acyl | SH | Cl | Cl |
| H | acyl | SH | Cl | Br |
| H | acyl | SH | Cl | I |
| H | amino acid | SH | Cl | H |
| H | amino acid | SH | Cl | NH ₂ |
| H | amino acid | SH | Cl | NH-cyclopropyl |
| H | amino acid | SH | Cl | NH-methyl |
| H | amino acid | SH | Cl | NH-ethyl |
| H | amino acid | SH | Cl | NH-acetyl |
| H | amino acid | SH | Cl | OH |
| H | amino acid | SH | Cl | OMe |
| H | amino acid | SH | Cl | OEt |
| H | amino acid | SH | Cl | O-cyclopropyl |
| H | amino acid | SH | Cl | O-acetyl |
| H | amino acid | SH | Cl | SH |
| H | amino acid | SH | Cl | SMe |
| H | amino acid | SH | Cl | SEt |
| H | amino acid | SH | Cl | S-cyclopropyl |
| H | amino acid | SH | Cl | F |
| H | amino acid | SH | Cl | Cl |
| H | amino acid | SH | Cl | Br |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| H | amino acid | SH | Cl | I |
| amino acid | amino acid | SH | Cl | H |
| amino acid | amino acid | SH | Cl | NH ₂ |
| amino acid | amino acid | SH | Cl | NH-cyclopropyl |
| amino acid | amino acid | SH | Cl | NH-methyl |
| amino acid | amino acid | SH | Cl | NH-ethyl |
| amino acid | amino acid | SH | Cl | NH-acetyl |
| amino acid | amino acid | SH | Cl | OH |
| amino acid | amino acid | SH | Cl | OMe |
| amino acid | amino acid | SH | Cl | OEt |
| amino acid | amino acid | SH | Cl | O-cyclopropyl |
| amino acid | amino acid | SH | Cl | O-acetyl |
| amino acid | amino acid | SH | Cl | SH |
| amino acid | amino acid | SH | Cl | SMe |
| amino acid | amino acid | SH | Cl | SEt |
| amino acid | amino acid | SH | Cl | S-cyclopropyl |
| amino acid | amino acid | SH | Cl | F |
| amino acid | amino acid | SH | Cl | Cl |
| amino acid | amino acid | SH | Cl | Br |
| amino acid | amino acid | SH | Cl | I |
| amino acid | H | SH | Cl | H |
| amino acid | H | SH | Cl | NH ₂ |
| amino acid | H | SH | Cl | NH-cyclopropyl |
| amino acid | H | SH | Cl | NH-methyl |
| amino acid | H | SH | Cl | NH-ethyl |
| amino acid | H | SH | Cl | NH-acetyl |
| amino acid | H | SH | Cl | OH |
| amino acid | H | SH | Cl | OMe |
| amino acid | H | SH | Cl | OEt |
| amino acid | H | SH | Cl | O-cyclopropyl |
| amino acid | H | SH | Cl | O-acetyl |
| amino acid | H | SH | Cl | SH |
| amino acid | H | SH | Cl | SMe |
| amino acid | H | SH | Cl | SEt |
| amino acid | H | SH | Cl | S-cyclopropyl |
| amino acid | H | SH | Cl | F |
| amino acid | H | SH | Cl | Cl |
| amino acid | H | SH | Cl | Br |
| amino acid | H | SH | Cl | I |
| amino acid | acyl | SH | Cl | H |
| amino acid | acyl | SH | Cl | NH ₂ |
| amino acid | acyl | SH | Cl | NH-cyclopropyl |
| amino acid | acyl | SH | Cl | NH-methyl |
| amino acid | acyl | SH | Cl | NH-ethyl |
| amino acid | acyl | SH | Cl | NH-acetyl |
| amino acid | acyl | SH | Cl | OH |
| amino acid | acyl | SH | Cl | OMe |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| amino acid | acyl | SH | Cl | OEt |
| amino acid | acyl | SH | Cl | O-cyclopropyl |
| amino acid | acyl | SH | Cl | O-acetyl |
| amino acid | acyl | SH | Cl | SH |
| amino acid | acyl | SH | Cl | SMe |
| amino acid | acyl | SH | Cl | SEt |
| amino acid | acyl | SH | Cl | S-cyclopropyl |
| amino acid | acyl | SH | Cl | F |
| amino acid | acyl | SH | Cl | Cl |
| amino acid | acyl | SH | Cl | Br |
| amino acid | acyl | SH | Cl | I |
| acyl | H | SH | Br | H |
| acyl | H | SH | Br | NH ₂ |
| acyl | H | SH | Br | NH-cyclopropyl |
| acyl | H | SH | Br | NH-methyl |
| acyl | H | SH | Br | NH-ethyl |
| acyl | H | SH | Br | NH-acetyl |
| acyl | H | SH | Br | OH |
| acyl | H | SH | Br | OMe |
| acyl | H | SH | Br | OEt |
| acyl | H | SH | Br | O-cyclopropyl |
| acyl | H | SH | Br | O-acetyl |
| acyl | H | SH | Br | SH |
| acyl | H | SH | Br | SMe |
| acyl | H | SH | Br | SEt |
| acyl | H | SH | Br | S-cyclopropyl |
| acyl | H | SH | Br | F |
| acyl | H | SH | Br | Cl |
| acyl | H | SH | Br | Br |
| acyl | H | SH | Br | I |
| acyl | acyl | SH | Br | H |
| acyl | acyl | SH | Br | NH ₂ |
| acyl | acyl | SH | Br | NH-cyclopropyl |
| acyl | acyl | SH | Br | NH-methyl |
| acyl | acyl | SH | Br | NH-ethyl |
| acyl | acyl | SH | Br | NH-acetyl |
| acyl | acyl | SH | Br | OH |
| acyl | acyl | SH | Br | OMe |
| acyl | acyl | SH | Br | OEt |
| acyl | acyl | SH | Br | O-cyclopropyl |
| acyl | acyl | SH | Br | O-acetyl |
| acyl | acyl | SH | Br | SH |
| acyl | acyl | SH | Br | SMe |
| acyl | acyl | SH | Br | SEt |
| acyl | acyl | SH | Br | S-cyclopropyl |
| acyl | acyl | SH | Br | F |
| acyl | acyl | SH | Br | Cl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| acyl | acyl | SH | Br | Br |
| acyl | acyl | SH | Br | I |
| acyl | amino acid | SH | Br | H |
| acyl | amino acid | SH | Br | NH ₂ |
| acyl | amino acid | SH | Br | NH-cyclopropyl |
| acyl | amino acid | SH | Br | NH-methyl |
| acyl | amino acid | SH | Br | NH-ethyl |
| acyl | amino acid | SH | Br | NH-acetyl |
| acyl | amino acid | SH | Br | OH |
| acyl | amino acid | SH | Br | OMe |
| acyl | amino acid | SH | Br | OEt |
| acyl | amino acid | SH | Br | O-cyclopropyl |
| acyl | amino acid | SH | Br | O-acetyl |
| acyl | amino acid | SH | Br | SH |
| acyl | amino acid | SH | Br | SMe |
| acyl | amino acid | SH | Br | SEt |
| acyl | amino acid | SH | Br | S-cyclopropyl |
| acyl | amino acid | SH | Br | F |
| acyl | amino acid | SH | Br | Cl |
| acyl | amino acid | SH | Br | Br |
| acyl | amino acid | SH | Br | I |
| H | acyl | SH | Br | H |
| H | acyl | SH | Br | NH ₂ |
| H | acyl | SH | Br | NH-cyclopropyl |
| H | acyl | SH | Br | NH-methyl |
| H | acyl | SH | Br | NH-ethyl |
| H | acyl | SH | Br | NH-acetyl |
| H | acyl | SH | Br | OH |
| H | acyl | SH | Br | OMe |
| H | acyl | SH | Br | OEt |
| H | acyl | SH | Br | O-cyclopropyl |
| H | acyl | SH | Br | O-acetyl |
| H | acyl | SH | Br | SH |
| H | acyl | SH | Br | SMe |
| H | acyl | SH | Br | SEt |
| H | acyl | SH | Br | S-cyclopropyl |
| H | acyl | SH | Br | F |
| H | acyl | SH | Br | Cl |
| H | acyl | SH | Br | Br |
| H | acyl | SH | Br | I |
| H | amino acid | SH | Br | H |
| H | amino acid | SH | Br | NH ₂ |
| H | amino acid | SH | Br | NH-cyclopropyl |
| H | amino acid | SH | Br | NH-methyl |
| H | amino acid | SH | Br | NH-ethyl |
| H | amino acid | SH | Br | NH-acetyl |
| H | amino acid | SH | Br | OH |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| H | amino acid | SH | Br | OMe |
| H | amino acid | SH | Br | OEt |
| H | amino acid | SH | Br | O-cyclopropyl |
| H | amino acid | SH | Br | O-acetyl |
| H | amino acid | SH | Br | SH |
| H | amino acid | SH | Br | SMe |
| H | amino acid | SH | Br | SEt |
| H | amino acid | SH | Br | S-cyclopropyl |
| H | amino acid | SH | Br | F |
| H | amino acid | SH | Br | Cl |
| H | amino acid | SH | Br | Br |
| H | amino acid | SH | Br | I |
| amino acid | amino acid | SH | Br | H |
| amino acid | amino acid | SH | Br | NH ₂ |
| amino acid | amino acid | SH | Br | NH-cyclopropyl |
| amino acid | amino acid | SH | Br | NH-methyl |
| amino acid | amino acid | SH | Br | NH-ethyl |
| amino acid | amino acid | SH | Br | NH-acetyl |
| amino acid | amino acid | SH | Br | OH |
| amino acid | amino acid | SH | Br | OMe |
| amino acid | amino acid | SH | Br | OEt |
| amino acid | amino acid | SH | Br | O-cyclopropyl |
| amino acid | amino acid | SH | Br | O-acetyl |
| amino acid | amino acid | SH | Br | SH |
| amino acid | amino acid | SH | Br | SMe |
| amino acid | amino acid | SH | Br | SEt |
| amino acid | amino acid | SH | Br | S-cyclopropyl |
| amino acid | amino acid | SH | Br | F |
| amino acid | amino acid | SH | Br | Cl |
| amino acid | amino acid | SH | Br | Br |
| amino acid | amino acid | SH | Br | I |
| amino acid | H | SH | Br | H |
| amino acid | H | SH | Br | NH ₂ |
| amino acid | H | SH | Br | NH-cyclopropyl |
| amino acid | H | SH | Br | NH-methyl |
| amino acid | H | SH | Br | NH-ethyl |
| amino acid | H | SH | Br | NH-acetyl |
| amino acid | H | SH | Br | OH |
| amino acid | H | SH | Br | OMe |
| amino acid | H | SH | Br | OEt |
| amino acid | H | SH | Br | O-cyclopropyl |
| amino acid | H | SH | Br | O-acetyl |
| amino acid | H | SH | Br | SH |
| amino acid | H | SH | Br | SMe |
| amino acid | H | SH | Br | SEt |
| amino acid | H | SH | Br | S-cyclopropyl |
| amino acid | H | SH | Br | F |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| amino acid | H | SH | Br | Cl |
| amino acid | H | SH | Br | Br |
| amino acid | H | SH | Br | I |
| amino acid | acyl | SH | Br | H |
| amino acid | acyl | SH | Br | NH ₂ |
| amino acid | acyl | SH | Br | NH-cyclopropyl |
| amino acid | acyl | SH | Br | NH-methyl |
| amino acid | acyl | SH | Br | NH-ethyl |
| amino acid | acyl | SH | Br | NH-acetyl |
| amino acid | acyl | SH | Br | OH |
| amino acid | acyl | SH | Br | OMe |
| amino acid | acyl | SH | Br | OEt |
| amino acid | acyl | SH | Br | O-cyclopropyl |
| amino acid | acyl | SH | Br | O-acetyl |
| amino acid | acyl | SH | Br | SH |
| amino acid | acyl | SH | Br | SMe |
| amino acid | acyl | SH | Br | SEt |
| amino acid | acyl | SH | Br | S-cyclopropyl |
| amino acid | acyl | SH | Br | F |
| amino acid | acyl | SH | Br | Cl |
| amino acid | acyl | SH | Br | Br |
| amino acid | acyl | SH | Br | I |
| acyl | H | H | SH | H |
| acyl | H | H | SH | NH ₂ |
| acyl | H | H | SH | NH-cyclopropyl |
| acyl | H | H | SH | NH-methyl |
| acyl | H | H | SH | NH-ethyl |
| acyl | H | H | SH | NH-acetyl |
| acyl | H | H | SH | OH |
| acyl | H | H | SH | OMe |
| acyl | H | H | SH | OEt |
| acyl | H | H | SH | O-cyclopropyl |
| acyl | H | H | SH | O-acetyl |
| acyl | H | H | SH | SH |
| acyl | H | H | SH | SMe |
| acyl | H | H | SH | SEt |
| acyl | H | H | SH | S-cyclopropyl |
| acyl | H | H | SH | F |
| acyl | H | H | SH | Cl |
| acyl | H | H | SH | Br |
| acyl | H | H | SH | I |
| acyl | acyl | H | SH | H |
| acyl | acyl | H | SH | NH ₂ |
| acyl | acyl | H | SH | NH-cyclopropyl |
| acyl | acyl | H | SH | NH-methyl |
| acyl | acyl | H | SH | NH-ethyl |
| acyl | acyl | H | SH | NH-acetyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| acyl | acyl | H | SH | OH |
| acyl | acyl | H | SH | OMe |
| acyl | acyl | H | SH | OEt |
| acyl | acyl | H | SH | O-cyclopropyl |
| acyl | acyl | H | SH | O-acetyl |
| acyl | acyl | H | SH | SH |
| acyl | acyl | H | SH | SMe |
| acyl | acyl | H | SH | SEt |
| acyl | acyl | H | SH | S-cyclopropyl |
| acyl | acyl | H | SH | F |
| acyl | acyl | H | SH | Cl |
| acyl | acyl | H | SH | Br |
| acyl | acyl | H | SH | I |
| acyl | amino acid | H | SH | H |
| acyl | amino acid | H | SH | NH ₂ |
| acyl | amino acid | H | SH | NH-cyclopropyl |
| acyl | amino acid | H | SH | NH-methyl |
| acyl | amino acid | H | SH | NH-ethyl |
| acyl | amino acid | H | SH | NH-acetyl |
| acyl | amino acid | H | SH | OH |
| acyl | amino acid | H | SH | OMe |
| acyl | amino acid | H | SH | OEt |
| acyl | amino acid | H | SH | O-cyclopropyl |
| acyl | amino acid | H | SH | O-acetyl |
| acyl | amino acid | H | SH | SH |
| acyl | amino acid | H | SH | SMe |
| acyl | amino acid | H | SH | SEt |
| acyl | amino acid | H | SH | S-cyclopropyl |
| acyl | amino acid | H | SH | F |
| acyl | amino acid | H | SH | Cl |
| acyl | amino acid | H | SH | Br |
| acyl | amino acid | H | SH | I |
| H | acyl | H | SH | H |
| H | acyl | H | SH | NH ₂ |
| H | acyl | H | SH | NH-cyclopropyl |
| H | acyl | H | SH | NH-methyl |
| H | acyl | H | SH | NH-ethyl |
| H | acyl | H | SH | NH-acetyl |
| H | acyl | H | SH | OH |
| H | acyl | H | SH | OMe |
| H | acyl | H | SH | OEt |
| H | acyl | H | SH | O-cyclopropyl |
| H | acyl | H | SH | O-acetyl |
| H | acyl | H | SH | SH |
| H | acyl | H | SH | SMe |
| H | acyl | H | SH | SEt |
| H | acyl | H | SH | S-cyclopropyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| H | acyl | H | SH | F |
| H | acyl | H | SH | Cl |
| H | acyl | H | SH | Br |
| H | acyl | H | SH | I |
| H | amino acid | H | SH | H |
| H | amino acid | H | SH | NH ₂ |
| H | amino acid | H | SH | NH-cyclopropyl |
| H | amino acid | H | SH | NH-methyl |
| H | amino acid | H | SH | NH-ethyl |
| H | amino acid | H | SH | NH-acetyl |
| H | amino acid | H | SH | OH |
| H | amino acid | H | SH | OMe |
| H | amino acid | H | SH | OEt |
| H | amino acid | H | SH | O-cyclopropyl |
| H | amino acid | H | SH | O-acetyl |
| H | amino acid | H | SH | SH |
| H | amino acid | H | SH | SMe |
| H | amino acid | H | SH | SEt |
| H | amino acid | H | SH | S-cyclopropyl |
| H | amino acid | H | SH | F |
| H | amino acid | H | SH | Cl |
| H | amino acid | H | SH | Br |
| H | amino acid | H | SH | I |
| amino acid | amino acid | H | SH | H |
| amino acid | amino acid | H | SH | NH ₂ |
| amino acid | amino acid | H | SH | NH-cyclopropyl |
| amino acid | amino acid | H | SH | NH-methyl |
| amino acid | amino acid | H | SH | NH-ethyl |
| amino acid | amino acid | H | SH | NH-acetyl |
| amino acid | amino acid | H | SH | OH |
| amino acid | amino acid | H | SH | OMe |
| amino acid | amino acid | H | SH | OEt |
| amino acid | amino acid | H | SH | O-cyclopropyl |
| amino acid | amino acid | H | SH | O-acetyl |
| amino acid | amino acid | H | SH | SH |
| amino acid | amino acid | H | SH | SMe |
| amino acid | amino acid | H | SH | SEt |
| amino acid | amino acid | H | SH | S-cyclopropyl |
| amino acid | amino acid | H | SH | F |
| amino acid | amino acid | H | SH | Cl |
| amino acid | amino acid | H | SH | Br |
| amino acid | amino acid | H | SH | I |
| amino acid | H | H | SH | H |
| amino acid | H | H | SH | NH ₂ |
| amino acid | H | H | SH | NH-cyclopropyl |
| amino acid | H | H | SH | NH-methyl |
| amino acid | H | H | SH | NH-ethyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| amino acid | H | H | SH | NH-acetyl |
| amino acid | H | H | SH | OH |
| amino acid | H | H | SH | OMe |
| amino acid | H | H | SH | OEt |
| amino acid | H | H | SH | O-cyclopropyl |
| amino acid | H | H | SH | O-acetyl |
| amino acid | H | H | SH | SH |
| amino acid | H | H | SH | SMe |
| amino acid | H | H | SH | SEt |
| amino acid | H | H | SH | S-cyclopropyl |
| amino acid | H | H | SH | F |
| amino acid | H | H | SH | Cl |
| amino acid | H | H | SH | Br |
| amino acid | H | H | SH | I |
| amino acid | acyl | H | SH | H |
| amino acid | acyl | H | SH | NH ₂ |
| amino acid | acyl | H | SH | NH-cyclopropyl |
| amino acid | acyl | H | SH | NH-methyl |
| amino acid | acyl | H | SH | NH-ethyl |
| amino acid | acyl | H | SH | NH-acetyl |
| amino acid | acyl | H | SH | OH |
| amino acid | acyl | H | SH | OMe |
| amino acid | acyl | H | SH | OEt |
| amino acid | acyl | H | SH | O-cyclopropyl |
| amino acid | acyl | H | SH | O-acetyl |
| amino acid | acyl | H | SH | SH |
| amino acid | acyl | H | SH | SMe |
| amino acid | acyl | H | SH | SEt |
| amino acid | acyl | H | SH | S-cyclopropyl |
| amino acid | acyl | H | SH | F |
| amino acid | acyl | H | SH | Cl |
| amino acid | acyl | H | SH | Br |
| amino acid | acyl | H | SH | I |
| acyl | H | F | SH | H |
| acyl | H | F | SH | NH ₂ |
| acyl | H | F | SH | NH-cyclopropyl |
| acyl | H | F | SH | NH-methyl |
| acyl | H | F | SH | NH-ethyl |
| acyl | H | F | SH | NH-acetyl |
| acyl | H | F | SH | OH |
| acyl | H | F | SH | OMe |
| acyl | H | F | SH | OEt |
| acyl | H | F | SH | O-cyclopropyl |
| acyl | H | F | SH | O-acetyl |
| acyl | H | F | SH | SH |
| acyl | H | F | SH | SMe |
| acyl | H | F | SH | SEt |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| acyl | H | F | SH | S-cyclopropyl |
| acyl | H | F | SH | F |
| acyl | H | F | SH | Cl |
| acyl | H | F | SH | Br |
| acyl | H | F | SH | I |
| acyl | acyl | F | SH | H |
| acyl | acyl | F | SH | NH ₂ |
| acyl | acyl | F | SH | NH-cyclopropyl |
| acyl | acyl | F | SH | NH-methyl |
| acyl | acyl | F | SH | NH-ethyl |
| acyl | acyl | F | SH | NH-acetyl |
| acyl | acyl | F | SH | OH |
| acyl | acyl | F | SH | OMe |
| acyl | acyl | F | SH | OEt |
| acyl | acyl | F | SH | O-cyclopropyl |
| acyl | acyl | F | SH | O-acetyl |
| acyl | acyl | F | SH | SH |
| acyl | acyl | F | SH | SMe |
| acyl | acyl | F | SH | SEt |
| acyl | acyl | F | SH | S-cyclopropyl |
| acyl | acyl | F | SH | F |
| acyl | acyl | F | SH | Cl |
| acyl | acyl | F | SH | Br |
| acyl | acyl | F | SH | I |
| acyl | amino acid | F | SH | H |
| acyl | amino acid | F | SH | NH ₂ |
| acyl | amino acid | F | SH | NH-cyclopropyl |
| acyl | amino acid | F | SH | NH-methyl |
| acyl | amino acid | F | SH | NH-ethyl |
| acyl | amino acid | F | SH | NH-acetyl |
| acyl | amino acid | F | SH | OH |
| acyl | amino acid | F | SH | OMe |
| acyl | amino acid | F | SH | OEt |
| acyl | amino acid | F | SH | O-cyclopropyl |
| acyl | amino acid | F | SH | O-acetyl |
| acyl | amino acid | F | SH | SH |
| acyl | amino acid | F | SH | SMe |
| acyl | amino acid | F | SH | SEt |
| acyl | amino acid | F | SH | S-cyclopropyl |
| acyl | amino acid | F | SH | F |
| acyl | amino acid | F | SH | Cl |
| acyl | amino acid | F | SH | Br |
| acyl | amino acid | F | SH | I |
| H | acyl | F | SH | H |
| H | acyl | F | SH | NH ₂ |
| H | acyl | F | SH | NH-cyclopropyl |
| H | acyl | F | SH | NH-methyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| H | acyl | F | SH | NH-ethyl |
| H | acyl | F | SH | NH-acetyl |
| H | acyl | F | SH | OH |
| H | acyl | F | SH | OMe |
| H | acyl | F | SH | OEt |
| H | acyl | F | SH | O-cyclopropyl |
| H | acyl | F | SH | O-acetyl |
| H | acyl | F | SH | SH |
| H | acyl | F | SH | SMe |
| H | acyl | F | SH | SEt |
| H | acyl | F | SH | S-cyclopropyl |
| H | acyl | F | SH | F |
| H | acyl | F | SH | Cl |
| H | acyl | F | SH | Br |
| H | acyl | F | SH | I |
| H | amino acid | F | SH | H |
| H | amino acid | F | SH | NH ₂ |
| H | amino acid | F | SH | NH-cyclopropyl |
| H | amino acid | F | SH | NH-methyl |
| H | amino acid | F | SH | NH-ethyl |
| H | amino acid | F | SH | NH-acetyl |
| H | amino acid | F | SH | OH |
| H | amino acid | F | SH | OMe |
| H | amino acid | F | SH | OEt |
| H | amino acid | F | SH | O-cyclopropyl |
| H | amino acid | F | SH | O-acetyl |
| H | amino acid | F | SH | SH |
| H | amino acid | F | SH | SMe |
| H | amino acid | F | SH | SEt |
| H | amino acid | F | SH | S-cyclopropyl |
| H | amino acid | F | SH | F |
| H | amino acid | F | SH | Cl |
| H | amino acid | F | SH | Br |
| H | amino acid | F | SH | I |
| amino acid | amino acid | F | SH | H |
| amino acid | amino acid | F | SH | NH ₂ |
| amino acid | amino acid | F | SH | NH-cyclopropyl |
| amino acid | amino acid | F | SH | NH-methyl |
| amino acid | amino acid | F | SH | NH-ethyl |
| amino acid | amino acid | F | SH | NH-acetyl |
| amino acid | amino acid | F | SH | OH |
| amino acid | amino acid | F | SH | OMe |
| amino acid | amino acid | F | SH | OEt |
| amino acid | amino acid | F | SH | O-cyclopropyl |
| amino acid | amino acid | F | SH | O-acetyl |
| amino acid | amino acid | F | SH | SH |
| amino acid | amino acid | F | SH | SMe |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| amino acid | amino acid | F | SH | SEt |
| amino acid | amino acid | F | SH | S-cyclopropyl |
| amino acid | amino acid | F | SH | F |
| amino acid | amino acid | F | SH | Cl |
| amino acid | amino acid | F | SH | Br |
| amino acid | amino acid | F | SH | I |
| amino acid | H | F | SH | H |
| amino acid | H | F | SH | NH ₂ |
| amino acid | H | F | SH | NH-cyclopropyl |
| amino acid | H | F | SH | NH-methyl |
| amino acid | H | F | SH | NH-ethyl |
| amino acid | H | F | SH | NH-acetyl |
| amino acid | H | F | SH | OH |
| amino acid | H | F | SH | OMe |
| amino acid | H | F | SH | OEt |
| amino acid | H | F | SH | O-cyclopropyl |
| amino acid | H | F | SH | O-acetyl |
| amino acid | H | F | SH | SH |
| amino acid | H | F | SH | SMe |
| amino acid | H | F | SH | SEt |
| amino acid | H | F | SH | S-cyclopropyl |
| amino acid | H | F | SH | F |
| amino acid | H | F | SH | Cl |
| amino acid | H | F | SH | Br |
| amino acid | H | F | SH | I |
| amino acid | acyl | F | SH | H |
| amino acid | acyl | F | SH | NH ₂ |
| amino acid | acyl | F | SH | NH-cyclopropyl |
| amino acid | acyl | F | SH | NH-methyl |
| amino acid | acyl | F | SH | NH-ethyl |
| amino acid | acyl | F | SH | NH-acetyl |
| amino acid | acyl | F | SH | OH |
| amino acid | acyl | F | SH | OMe |
| amino acid | acyl | F | SH | OEt |
| amino acid | acyl | F | SH | O-cyclopropyl |
| amino acid | acyl | F | SH | O-acetyl |
| amino acid | acyl | F | SH | SH |
| amino acid | acyl | F | SH | SMe |
| amino acid | acyl | F | SH | SEt |
| amino acid | acyl | F | SH | S-cyclopropyl |
| amino acid | acyl | F | SH | F |
| amino acid | acyl | F | SH | Cl |
| amino acid | acyl | F | SH | Br |
| amino acid | acyl | F | SH | I |
| acyl | H | Cl | SH | H |
| acyl | H | Cl | SH | NH ₂ |
| acyl | H | Cl | SH | NH-cyclopropyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| acyl | H | Cl | SH | NH-methyl |
| acyl | H | Cl | SH | NH-ethyl |
| acyl | H | Cl | SH | NH-acetyl |
| acyl | H | Cl | SH | OH |
| acyl | H | Cl | SH | OMe |
| acyl | H | Cl | SH | OEt |
| acyl | H | Cl | SH | O-cyclopropyl |
| acyl | H | Cl | SH | O-acetyl |
| acyl | H | Cl | SH | SH |
| acyl | H | Cl | SH | SMe |
| acyl | H | Cl | SH | SEt |
| acyl | H | Cl | SH | S-cyclopropyl |
| acyl | H | Cl | SH | F |
| acyl | H | Cl | SH | Cl |
| acyl | H | Cl | SH | Br |
| acyl | H | Cl | SH | I |
| acyl | acyl | Cl | SH | H |
| acyl | acyl | Cl | SH | NH ₂ |
| acyl | acyl | Cl | SH | NH-cyclopropyl |
| acyl | acyl | Cl | SH | NH-methyl |
| acyl | acyl | Cl | SH | NH-ethyl |
| acyl | acyl | Cl | SH | NH-acetyl |
| acyl | acyl | Cl | SH | OH |
| acyl | acyl | Cl | SH | OMe |
| acyl | acyl | Cl | SH | OEt |
| acyl | acyl | Cl | SH | O-cyclopropyl |
| acyl | acyl | Cl | SH | O-acetyl |
| acyl | acyl | Cl | SH | SH |
| acyl | acyl | Cl | SH | SMe |
| acyl | acyl | Cl | SH | SEt |
| acyl | acyl | Cl | SH | S-cyclopropyl |
| acyl | acyl | Cl | SH | F |
| acyl | acyl | Cl | SH | Cl |
| acyl | acyl | Cl | SH | Br |
| acyl | acyl | Cl | SH | I |
| acyl | amino acid | Cl | SH | H |
| acyl | amino acid | Cl | SH | NH ₂ |
| acyl | amino acid | Cl | SH | NH-cyclopropyl |
| acyl | amino acid | Cl | SH | NH-methyl |
| acyl | amino acid | Cl | SH | NH-ethyl |
| acyl | amino acid | Cl | SH | NH-acetyl |
| acyl | amino acid | Cl | SH | OH |
| acyl | amino acid | Cl | SH | OMe |
| acyl | amino acid | Cl | SH | OEt |
| acyl | amino acid | Cl | SH | O-cyclopropyl |
| acyl | amino acid | Cl | SH | O-acetyl |
| acyl | amino acid | Cl | SH | SH |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| acyl | amino acid | Cl | SH | SMe |
| acyl | amino acid | Cl | SH | SEt |
| acyl | amino acid | Cl | SH | S-cyclopropyl |
| acyl | amino acid | Cl | SH | F |
| acyl | amino acid | Cl | SH | Cl |
| acyl | amino acid | Cl | SH | Br |
| acyl | amino acid | Cl | SH | I |
| H | acyl | Cl | SH | H |
| H | acyl | Cl | SH | NH ₂ |
| H | acyl | Cl | SH | NH-cyclopropyl |
| H | acyl | Cl | SH | NH-methyl |
| H | acyl | Cl | SH | NH-ethyl |
| H | acyl | Cl | SH | NH-acetyl |
| H | acyl | Cl | SH | OH |
| H | acyl | Cl | SH | OMe |
| H | acyl | Cl | SH | OEt |
| H | acyl | Cl | SH | O-cyclopropyl |
| H | acyl | Cl | SH | O-acetyl |
| H | acyl | Cl | SH | SH |
| H | acyl | Cl | SH | SMe |
| H | acyl | Cl | SH | SEt |
| H | acyl | Cl | SH | S-cyclopropyl |
| H | acyl | Cl | SH | F |
| H | acyl | Cl | SH | Cl |
| H | acyl | Cl | SH | Br |
| H | acyl | Cl | SH | I |
| H | amino acid | Cl | SH | H |
| H | amino acid | Cl | SH | NH ₂ |
| H | amino acid | Cl | SH | NH-cyclopropyl |
| H | amino acid | Cl | SH | NH-methyl |
| H | amino acid | Cl | SH | NH-ethyl |
| H | amino acid | Cl | SH | NH-acetyl |
| H | amino acid | Cl | SH | OH |
| H | amino acid | Cl | SH | OMe |
| H | amino acid | Cl | SH | OEt |
| H | amino acid | Cl | SH | O-cyclopropyl |
| H | amino acid | Cl | SH | O-acetyl |
| H | amino acid | Cl | SH | SH |
| H | amino acid | Cl | SH | SMe |
| H | amino acid | Cl | SH | SEt |
| H | amino acid | Cl | SH | S-cyclopropyl |
| H | amino acid | Cl | SH | F |
| H | amino acid | Cl | SH | Cl |
| H | amino acid | Cl | SH | Br |
| H | amino acid | Cl | SH | I |
| amino acid | amino acid | Cl | SH | H |
| amino acid | amino acid | Cl | SH | NH ₂ |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| amino acid | amino acid | Cl | SH | NH-cyclopropyl |
| amino acid | amino acid | Cl | SH | NH-methyl |
| amino acid | amino acid | Cl | SH | NH-ethyl |
| amino acid | amino acid | Cl | SH | NH-acetyl |
| amino acid | amino acid | Cl | SH | OH |
| amino acid | amino acid | Cl | SH | OMe |
| amino acid | amino acid | Cl | SH | OEt |
| amino acid | amino acid | Cl | SH | O-cyclopropyl |
| amino acid | amino acid | Cl | SH | O-acetyl |
| amino acid | amino acid | Cl | SH | SH |
| amino acid | amino acid | Cl | SH | SMe |
| amino acid | amino acid | Cl | SH | SEt |
| amino acid | amino acid | Cl | SH | S-cyclopropyl |
| amino acid | amino acid | Cl | SH | F |
| amino acid | amino acid | Cl | SH | Cl |
| amino acid | amino acid | Cl | SH | Br |
| amino acid | amino acid | Cl | SH | I |
| amino acid | H | Cl | SH | H |
| amino acid | H | Cl | SH | NH ₂ |
| amino acid | H | Cl | SH | NH-cyclopropyl |
| amino acid | H | Cl | SH | NH-methyl |
| amino acid | H | Cl | SH | NH-ethyl |
| amino acid | H | Cl | SH | NH-acetyl |
| amino acid | H | Cl | SH | OH |
| amino acid | H | Cl | SH | OMe |
| amino acid | H | Cl | SH | OEt |
| amino acid | H | Cl | SH | O-cyclopropyl |
| amino acid | H | Cl | SH | O-acetyl |
| amino acid | H | Cl | SH | SH |
| amino acid | H | Cl | SH | SMe |
| amino acid | H | Cl | SH | SEt |
| amino acid | H | Cl | SH | S-cyclopropyl |
| amino acid | H | Cl | SH | F |
| amino acid | H | Cl | SH | Cl |
| amino acid | H | Cl | SH | Br |
| amino acid | H | Cl | SH | I |
| amino acid | acyl | Cl | SH | H |
| amino acid | acyl | Cl | SH | NH ₂ |
| amino acid | acyl | Cl | SH | NH-cyclopropyl |
| amino acid | acyl | Cl | SH | NH-methyl |
| amino acid | acyl | Cl | SH | NH-ethyl |
| amino acid | acyl | Cl | SH | NH-acetyl |
| amino acid | acyl | Cl | SH | OH |
| amino acid | acyl | Cl | SH | OMe |
| amino acid | acyl | Cl | SH | OEt |
| amino acid | acyl | Cl | SH | O-cyclopropyl |
| amino acid | acyl | Cl | SH | O-acetyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| amino acid | acyl | Cl | SH | SH |
| amino acid | acyl | Cl | SH | SMe |
| amino acid | acyl | Cl | SH | SEt |
| amino acid | acyl | Cl | SH | S-cyclopropyl |
| amino acid | acyl | Cl | SH | F |
| amino acid | acyl | Cl | SH | Cl |
| amino acid | acyl | Cl | SH | Br |
| amino acid | acyl | Cl | SH | I |
| acyl | H | Br | SH | H |
| acyl | H | Br | SH | NH ₂ |
| acyl | H | Br | SH | NH-cyclopropyl |
| acyl | H | Br | SH | NH-methyl |
| acyl | H | Br | SH | NH-ethyl |
| acyl | H | Br | SH | NH-acetyl |
| acyl | H | Br | SH | OH |
| acyl | H | Br | SH | OMe |
| acyl | H | Br | SH | OEt |
| acyl | H | Br | SH | O-cyclopropyl |
| acyl | H | Br | SH | O-acetyl |
| acyl | H | Br | SH | SH |
| acyl | H | Br | SH | SMe |
| acyl | H | Br | SH | SEt |
| acyl | H | Br | SH | S-cyclopropyl |
| acyl | H | Br | SH | F |
| acyl | H | Br | SH | Cl |
| acyl | H | Br | SH | Br |
| acyl | H | Br | SH | I |
| acyl | acyl | Br | SH | H |
| acyl | acyl | Br | SH | NH ₂ |
| acyl | acyl | Br | SH | NH-cyclopropyl |
| acyl | acyl | Br | SH | NH-methyl |
| acyl | acyl | Br | SH | NH-ethyl |
| acyl | acyl | Br | SH | NH-acetyl |
| acyl | acyl | Br | SH | OH |
| acyl | acyl | Br | SH | OMe |
| acyl | acyl | Br | SH | OEt |
| acyl | acyl | Br | SH | O-cyclopropyl |
| acyl | acyl | Br | SH | O-acetyl |
| acyl | acyl | Br | SH | SH |
| acyl | acyl | Br | SH | SMe |
| acyl | acyl | Br | SH | SEt |
| acyl | acyl | Br | SH | S-cyclopropyl |
| acyl | acyl | Br | SH | F |
| acyl | acyl | Br | SH | Cl |
| acyl | acyl | Br | SH | Br |
| acyl | acyl | Br | SH | I |
| acyl | amino acid | Br | SH | H |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| acyl | amino acid | Br | SH | NH ₂ |
| acyl | amino acid | Br | SH | NH-cyclopropyl |
| acyl | amino acid | Br | SH | NH-methyl |
| acyl | amino acid | Br | SH | NH-ethyl |
| acyl | amino acid | Br | SH | NH-acetyl |
| acyl | amino acid | Br | SH | OH |
| acyl | amino acid | Br | SH | OMe |
| acyl | amino acid | Br | SH | OEt |
| acyl | amino acid | Br | SH | O-cyclopropyl |
| acyl | amino acid | Br | SH | O-acetyl |
| acyl | amino acid | Br | SH | SH |
| acyl | amino acid | Br | SH | SMe |
| acyl | amino acid | Br | SH | SEt |
| acyl | amino acid | Br | SH | S-cyclopropyl |
| acyl | amino acid | Br | SH | F |
| acyl | amino acid | Br | SH | Cl |
| acyl | amino acid | Br | SH | Br |
| acyl | amino acid | Br | SH | I |
| H | acyl | Br | SH | H |
| H | acyl | Br | SH | NH ₂ |
| H | acyl | Br | SH | NH-cyclopropyl |
| H | acyl | Br | SH | NH-methyl |
| H | acyl | Br | SH | NH-ethyl |
| H | acyl | Br | SH | NH-acetyl |
| H | acyl | Br | SH | OH |
| H | acyl | Br | SH | OMe |
| H | acyl | Br | SH | OEt |
| H | acyl | Br | SH | O-cyclopropyl |
| H | acyl | Br | SH | O-acetyl |
| H | acyl | Br | SH | SH |
| H | acyl | Br | SH | SMe |
| H | acyl | Br | SH | SEt |
| H | acyl | Br | SH | S-cyclopropyl |
| H | acyl | Br | SH | F |
| H | acyl | Br | SH | Cl |
| H | acyl | Br | SH | Br |
| H | acyl | Br | SH | I |
| H | amino acid | Br | SH | H |
| H | amino acid | Br | SH | NH ₂ |
| H | amino acid | Br | SH | NH-cyclopropyl |
| H | amino acid | Br | SH | NH-methyl |
| H | amino acid | Br | SH | NH-ethyl |
| H | amino acid | Br | SH | NH-acetyl |
| H | amino acid | Br | SH | OH |
| H | amino acid | Br | SH | OMe |
| H | amino acid | Br | SH | OEt |
| H | amino acid | Br | SH | O-cyclopropyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| H | amino acid | Br | SH | O-acetyl |
| H | amino acid | Br | SH | SH |
| H | amino acid | Br | SH | SMe |
| H | amino acid | Br | SH | SEt |
| H | amino acid | Br | SH | S-cyclopropyl |
| H | amino acid | Br | SH | F |
| H | amino acid | Br | SH | Cl |
| H | amino acid | Br | SH | Br |
| H | amino acid | Br | SH | I |
| amino acid | amino acid | Br | SH | H |
| amino acid | amino acid | Br | SH | NH ₂ |
| amino acid | amino acid | Br | SH | NH-cyclopropyl |
| amino acid | amino acid | Br | SH | NH-methyl |
| amino acid | amino acid | Br | SH | NH-ethyl |
| amino acid | amino acid | Br | SH | NH-acetyl |
| amino acid | amino acid | Br | SH | OH |
| amino acid | amino acid | Br | SH | OMe |
| amino acid | amino acid | Br | SH | OEt |
| amino acid | amino acid | Br | SH | O-cyclopropyl |
| amino acid | amino acid | Br | SH | O-acetyl |
| amino acid | amino acid | Br | SH | SH |
| amino acid | amino acid | Br | SH | SMe |
| amino acid | amino acid | Br | SH | SEt |
| amino acid | amino acid | Br | SH | S-cyclopropyl |
| amino acid | amino acid | Br | SH | F |
| amino acid | amino acid | Br | SH | Cl |
| amino acid | amino acid | Br | SH | Br |
| amino acid | amino acid | Br | SH | I |
| amino acid | H | Br | SH | H |
| amino acid | H | Br | SH | NH ₂ |
| amino acid | H | Br | SH | NH-cyclopropyl |
| amino acid | H | Br | SH | NH-methyl |
| amino acid | H | Br | SH | NH-ethyl |
| amino acid | H | Br | SH | NH-acetyl |
| amino acid | H | Br | SH | OH |
| amino acid | H | Br | SH | OMe |
| amino acid | H | Br | SH | OEt |
| amino acid | H | Br | SH | O-cyclopropyl |
| amino acid | H | Br | SH | O-acetyl |
| amino acid | H | Br | SH | SH |
| amino acid | H | Br | SH | SMe |
| amino acid | H | Br | SH | SEt |
| amino acid | H | Br | SH | S-cyclopropyl |
| amino acid | H | Br | SH | F |
| amino acid | H | Br | SH | Cl |
| amino acid | H | Br | SH | Br |
| amino acid | H | Br | SH | I |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| amino acid | acyl | Br | SH | H |
| amino acid | acyl | Br | SH | NH ₂ |
| amino acid | acyl | Br | SH | NH-cyclopropyl |
| amino acid | acyl | Br | SH | NH-methyl |
| amino acid | acyl | Br | SH | NH-ethyl |
| amino acid | acyl | Br | SH | NH-acetyl |
| amino acid | acyl | Br | SH | OH |
| amino acid | acyl | Br | SH | OMe |
| amino acid | acyl | Br | SH | OEt |
| amino acid | acyl | Br | SH | O-cyclopropyl |
| amino acid | acyl | Br | SH | O-acetyl |
| amino acid | acyl | Br | SH | SH |
| amino acid | acyl | Br | SH | SMe |
| amino acid | acyl | Br | SH | SEt |
| amino acid | acyl | Br | SH | S-cyclopropyl |
| amino acid | acyl | Br | SH | F |
| amino acid | acyl | Br | SH | Cl |
| amino acid | acyl | Br | SH | Br |
| amino acid | acyl | Br | SH | I |
| acyl | H | F | F | H |
| acyl | H | F | F | NH ₂ |
| acyl | H | F | F | NH-cyclopropyl |
| acyl | H | F | F | NH-methyl |
| acyl | H | F | F | NH-ethyl |
| acyl | H | F | F | NH-acetyl |
| acyl | H | F | F | OH |
| acyl | H | F | F | OMe |
| acyl | H | F | F | OEt |
| acyl | H | F | F | O-cyclopropyl |
| acyl | H | F | F | O-acetyl |
| acyl | H | F | F | SH |
| acyl | H | F | F | SMe |
| acyl | H | F | F | SEt |
| acyl | H | F | F | S-cyclopropyl |
| acyl | H | F | F | F |
| acyl | H | F | F | Cl |
| acyl | H | F | F | Br |
| acyl | H | F | F | I |
| acyl | acyl | F | F | H |
| acyl | acyl | F | F | NH ₂ |
| acyl | acyl | F | F | NH-cyclopropyl |
| acyl | acyl | F | F | NH-methyl |
| acyl | acyl | F | F | NH-ethyl |
| acyl | acyl | F | F | NH-acetyl |
| acyl | acyl | F | F | OH |
| acyl | acyl | F | F | OMe |
| acyl | acyl | F | F | OEt |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| acyl | acyl | F | F | O-cyclopropyl |
| acyl | acyl | F | F | O-acetyl |
| acyl | acyl | F | F | SH |
| acyl | acyl | F | F | SMe |
| acyl | acyl | F | F | SEt |
| acyl | acyl | F | F | S-cyclopropyl |
| acyl | acyl | F | F | F |
| acyl | acyl | F | F | Cl |
| acyl | acyl | F | F | Br |
| acyl | acyl | F | F | I |
| acyl | amino acid | F | F | H |
| acyl | amino acid | F | F | NH ₂ |
| acyl | amino acid | F | F | NH-cyclopropyl |
| acyl | amino acid | F | F | NH-methyl |
| acyl | amino acid | F | F | NH-ethyl |
| acyl | amino acid | F | F | NH-acetyl |
| acyl | amino acid | F | F | OH |
| acyl | amino acid | F | F | OMe |
| acyl | amino acid | F | F | OEt |
| acyl | amino acid | F | F | O-cyclopropyl |
| acyl | amino acid | F | F | O-acetyl |
| acyl | amino acid | F | F | SH |
| acyl | amino acid | F | F | SMe |
| acyl | amino acid | F | F | SEt |
| acyl | amino acid | F | F | S-cyclopropyl |
| acyl | amino acid | F | F | F |
| acyl | amino acid | F | F | Cl |
| acyl | amino acid | F | F | Br |
| acyl | amino acid | F | F | I |
| H | acyl | F | F | H |
| H | acyl | F | F | NH ₂ |
| H | acyl | F | F | NH-cyclopropyl |
| H | acyl | F | F | NH-methyl |
| H | acyl | F | F | NH-ethyl |
| H | acyl | F | F | NH-acetyl |
| H | acyl | F | F | OH |
| H | acyl | F | F | OMe |
| H | acyl | F | F | OEt |
| H | acyl | F | F | O-cyclopropyl |
| H | acyl | F | F | O-acetyl |
| H | acyl | F | F | SH |
| H | acyl | F | F | SMe |
| H | acyl | F | F | SEt |
| H | acyl | F | F | S-cyclopropyl |
| H | acyl | F | F | F |
| H | acyl | F | F | Cl |
| H | acyl | F | F | Br |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| H | acyl | F | F | I |
| H | amino acid | F | F | H |
| H | amino acid | F | F | NH ₂ |
| H | amino acid | F | F | NH-cyclopropyl |
| H | amino acid | F | F | NH-methyl |
| H | amino acid | F | F | NH-ethyl |
| H | amino acid | F | F | NH-acetyl |
| H | amino acid | F | F | OH |
| H | amino acid | F | F | OMe |
| H | amino acid | F | F | OEt |
| H | amino acid | F | F | O-cyclopropyl |
| H | amino acid | F | F | O-acetyl |
| H | amino acid | F | F | SH |
| H | amino acid | F | F | SMe |
| H | amino acid | F | F | SEt |
| H | amino acid | F | F | S-cyclopropyl |
| H | amino acid | F | F | F |
| H | amino acid | F | F | Cl |
| H | amino acid | F | F | Br |
| H | amino acid | F | F | I |
| amino acid | amino acid | F | F | H |
| amino acid | amino acid | F | F | NH ₂ |
| amino acid | amino acid | F | F | NH-cyclopropyl |
| amino acid | amino acid | F | F | NH-methyl |
| amino acid | amino acid | F | F | NH-ethyl |
| amino acid | amino acid | F | F | NH-acetyl |
| amino acid | amino acid | F | F | OH |
| amino acid | amino acid | F | F | OMe |
| amino acid | amino acid | F | F | OEt |
| amino acid | amino acid | F | F | O-cyclopropyl |
| amino acid | amino acid | F | F | O-acetyl |
| amino acid | amino acid | F | F | SH |
| amino acid | amino acid | F | F | SMe |
| amino acid | amino acid | F | F | SEt |
| amino acid | amino acid | F | F | S-cyclopropyl |
| amino acid | amino acid | F | F | F |
| amino acid | amino acid | F | F | Cl |
| amino acid | amino acid | F | F | Br |
| amino acid | amino acid | F | F | I |
| amino acid | H | F | F | H |
| amino acid | H | F | F | NH ₂ |
| amino acid | H | F | F | NH-cyclopropyl |
| amino acid | H | F | F | NH-methyl |
| amino acid | H | F | F | NH-ethyl |
| amino acid | H | F | F | NH-acetyl |
| amino acid | H | F | F | OH |
| amino acid | H | F | F | OMe |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| amino acid | H | F | F | OEt |
| amino acid | H | F | F | O-cyclopropyl |
| amino acid | H | F | F | O-acetyl |
| amino acid | H | F | F | SH |
| amino acid | H | F | F | SMe |
| amino acid | H | F | F | SEt |
| amino acid | H | F | F | S-cyclopropyl |
| amino acid | H | F | F | F |
| amino acid | H | F | F | Cl |
| amino acid | H | F | F | Br |
| amino acid | H | F | F | I |
| amino acid | acyl | F | F | H |
| amino acid | acyl | F | F | NH ₂ |
| amino acid | acyl | F | F | NH-cyclopropyl |
| amino acid | acyl | F | F | NH-methyl |
| amino acid | acyl | F | F | NH-ethyl |
| amino acid | acyl | F | F | NH-acetyl |
| amino acid | acyl | F | F | OH |
| amino acid | acyl | F | F | OMe |
| amino acid | acyl | F | F | OEt |
| amino acid | acyl | F | F | O-cyclopropyl |
| amino acid | acyl | F | F | O-acetyl |
| amino acid | acyl | F | F | SH |
| amino acid | acyl | F | F | SMe |
| amino acid | acyl | F | F | SEt |
| amino acid | acyl | F | F | S-cyclopropyl |
| amino acid | acyl | F | F | F |
| amino acid | acyl | F | F | Cl |
| amino acid | acyl | F | F | Br |
| amino acid | acyl | F | F | I |
| acyl | H | Cl | Cl | H |
| acyl | H | Cl | Cl | NH ₂ |
| acyl | H | Cl | Cl | NH-cyclopropyl |
| acyl | H | Cl | Cl | NH-methyl |
| acyl | H | Cl | Cl | NH-ethyl |
| acyl | H | Cl | Cl | NH-acetyl |
| acyl | H | Cl | Cl | OH |
| acyl | H | Cl | Cl | OMe |
| acyl | H | Cl | Cl | OEt |
| acyl | H | Cl | Cl | O-cyclopropyl |
| acyl | H | Cl | Cl | O-acetyl |
| acyl | H | Cl | Cl | SH |
| acyl | H | Cl | Cl | SMe |
| acyl | H | Cl | Cl | SEt |
| acyl | H | Cl | Cl | S-cyclopropyl |
| acyl | H | Cl | Cl | F |
| acyl | H | Cl | Cl | Cl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| acyl | H | Cl | Cl | Br |
| acyl | H | Cl | Cl | I |
| acyl | acyl | Cl | Cl | H |
| acyl | acyl | Cl | Cl | NH ₂ |
| acyl | acyl | Cl | Cl | NH-cyclopropyl |
| acyl | acyl | Cl | Cl | NH-methyl |
| acyl | acyl | Cl | Cl | NH-ethyl |
| acyl | acyl | Cl | Cl | NH-acetyl |
| acyl | acyl | Cl | Cl | OH |
| acyl | acyl | Cl | Cl | OMe |
| acyl | acyl | Cl | Cl | OEt |
| acyl | acyl | Cl | Cl | O-cyclopropyl |
| acyl | acyl | Cl | Cl | O-acetyl |
| acyl | acyl | Cl | Cl | SH |
| acyl | acyl | Cl | Cl | SMe |
| acyl | acyl | Cl | Cl | SEt |
| acyl | acyl | Cl | Cl | S-cyclopropyl |
| acyl | acyl | Cl | Cl | F |
| acyl | acyl | Cl | Cl | Cl |
| acyl | acyl | Cl | Cl | Br |
| acyl | acyl | Cl | Cl | I |
| acyl | amino acid | Cl | Cl | H |
| acyl | amino acid | Cl | Cl | NH ₂ |
| acyl | amino acid | Cl | Cl | NH-cyclopropyl |
| acyl | amino acid | Cl | Cl | NH-methyl |
| acyl | amino acid | Cl | Cl | NH-ethyl |
| acyl | amino acid | Cl | Cl | NH-acetyl |
| acyl | amino acid | Cl | Cl | OH |
| acyl | amino acid | Cl | Cl | OMe |
| acyl | amino acid | Cl | Cl | OEt |
| acyl | amino acid | Cl | Cl | O-cyclopropyl |
| acyl | amino acid | Cl | Cl | O-acetyl |
| acyl | amino acid | Cl | Cl | SH |
| acyl | amino acid | Cl | Cl | SMe |
| acyl | amino acid | Cl | Cl | SEt |
| acyl | amino acid | Cl | Cl | S-cyclopropyl |
| acyl | amino acid | Cl | Cl | F |
| acyl | amino acid | Cl | Cl | Cl |
| acyl | amino acid | Cl | Cl | Br |
| acyl | amino acid | Cl | Cl | I |
| H | acyl | Cl | Cl | H |
| H | acyl | Cl | Cl | NH ₂ |
| H | acyl | Cl | Cl | NH-cyclopropyl |
| H | acyl | Cl | Cl | NH-methyl |
| H | acyl | Cl | Cl | NH-ethyl |
| H | acyl | Cl | Cl | NH-acetyl |
| H | acyl | Cl | Cl | OH |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| H | acyl | Cl | Cl | OMe |
| H | acyl | Cl | Cl | OEt |
| H | acyl | Cl | Cl | O-cyclopropyl |
| H | acyl | Cl | Cl | O-acetyl |
| H | acyl | Cl | Cl | SH |
| H | acyl | Cl | Cl | SMe |
| H | acyl | Cl | Cl | SEt |
| H | acyl | Cl | Cl | S-cyclopropyl |
| H | acyl | Cl | Cl | F |
| H | acyl | Cl | Cl | Cl |
| H | acyl | Cl | Cl | Br |
| H | acyl | Cl | Cl | I |
| H | amino acid | Cl | Cl | H |
| H | amino acid | Cl | Cl | NH ₂ |
| H | amino acid | Cl | Cl | NH-cyclopropyl |
| H | amino acid | Cl | Cl | NH-methyl |
| H | amino acid | Cl | Cl | NH-ethyl |
| H | amino acid | Cl | Cl | NH-acetyl |
| H | amino acid | Cl | Cl | OH |
| H | amino acid | Cl | Cl | OMe |
| H | amino acid | Cl | Cl | OEt |
| H | amino acid | Cl | Cl | O-cyclopropyl |
| H | amino acid | Cl | Cl | O-acetyl |
| H | amino acid | Cl | Cl | SH |
| H | amino acid | Cl | Cl | SMe |
| H | amino acid | Cl | Cl | SEt |
| H | amino acid | Cl | Cl | S-cyclopropyl |
| H | amino acid | Cl | Cl | F |
| H | amino acid | Cl | Cl | Cl |
| H | amino acid | Cl | Cl | Br |
| H | amino acid | Cl | Cl | I |
| amino acid | amino acid | Cl | Cl | H |
| amino acid | amino acid | Cl | Cl | NH ₂ |
| amino acid | amino acid | Cl | Cl | NH-cyclopropyl |
| amino acid | amino acid | Cl | Cl | NH-methyl |
| amino acid | amino acid | Cl | Cl | NH-ethyl |
| amino acid | amino acid | Cl | Cl | NH-acetyl |
| amino acid | amino acid | Cl | Cl | OH |
| amino acid | amino acid | Cl | Cl | OMe |
| amino acid | amino acid | Cl | Cl | OEt |
| amino acid | amino acid | Cl | Cl | O-cyclopropyl |
| amino acid | amino acid | Cl | Cl | O-acetyl |
| amino acid | amino acid | Cl | Cl | SH |
| amino acid | amino acid | Cl | Cl | SMe |
| amino acid | amino acid | Cl | Cl | SEt |
| amino acid | amino acid | Cl | Cl | S-cyclopropyl |
| amino acid | amino acid | Cl | Cl | F |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| amino acid | amino acid | Cl | Cl | Cl |
| amino acid | amino acid | Cl | Cl | Br |
| amino acid | amino acid | Cl | Cl | I |
| amino acid | H | Cl | Cl | H |
| amino acid | H | Cl | Cl | NH ₂ |
| amino acid | H | Cl | Cl | NH-cyclopropyl |
| amino acid | H | Cl | Cl | NH-methyl |
| amino acid | H | Cl | Cl | NH-ethyl |
| amino acid | H | Cl | Cl | NH-acetyl |
| amino acid | H | Cl | Cl | OH |
| amino acid | H | Cl | Cl | OMe |
| amino acid | H | Cl | Cl | OEt |
| amino acid | H | Cl | Cl | O-cyclopropyl |
| amino acid | H | Cl | Cl | O-acetyl |
| amino acid | H | Cl | Cl | SH |
| amino acid | H | Cl | Cl | SMe |
| amino acid | H | Cl | Cl | SEt |
| amino acid | H | Cl | Cl | S-cyclopropyl |
| amino acid | H | Cl | Cl | F |
| amino acid | H | Cl | Cl | Cl |
| amino acid | H | Cl | Cl | Br |
| amino acid | H | Cl | Cl | I |
| amino acid | acyl | Cl | Cl | H |
| amino acid | acyl | Cl | Cl | NH ₂ |
| amino acid | acyl | Cl | Cl | NH-cyclopropyl |
| amino acid | acyl | Cl | Cl | NH-methyl |
| amino acid | acyl | Cl | Cl | NH-ethyl |
| amino acid | acyl | Cl | Cl | NH-acetyl |
| amino acid | acyl | Cl | Cl | OH |
| amino acid | acyl | Cl | Cl | OMe |
| amino acid | acyl | Cl | Cl | OEt |
| amino acid | acyl | Cl | Cl | O-cyclopropyl |
| amino acid | acyl | Cl | Cl | O-acetyl |
| amino acid | acyl | Cl | Cl | SH |
| amino acid | acyl | Cl | Cl | SMe |
| amino acid | acyl | Cl | Cl | SEt |
| amino acid | acyl | Cl | Cl | S-cyclopropyl |
| amino acid | acyl | Cl | Cl | F |
| amino acid | acyl | Cl | Cl | Cl |
| amino acid | acyl | Cl | Cl | Br |
| amino acid | acyl | Cl | Cl | I |
| acyl | H | OH | OH | H |
| acyl | H | OH | OH | NH ₂ |
| acyl | H | OH | OH | NH-cyclopropyl |
| acyl | H | OH | OH | NH-methyl |
| acyl | H | OH | OH | NH-ethyl |
| acyl | H | OH | OH | NH-acetyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| acyl | H | OH | OH | OH |
| acyl | H | OH | OH | OMe |
| acyl | H | OH | OH | OEt |
| acyl | H | OH | OH | O-cyclopropyl |
| acyl | H | OH | OH | O-acetyl |
| acyl | H | OH | OH | SH |
| acyl | H | OH | OH | SMe |
| acyl | H | OH | OH | SEt |
| acyl | H | OH | OH | S-cyclopropyl |
| acyl | H | OH | OH | F |
| acyl | H | OH | OH | Cl |
| acyl | H | OH | OH | Br |
| acyl | H | OH | OH | I |
| acyl | acyl | OH | OH | H |
| acyl | acyl | OH | OH | NH ₂ |
| acyl | acyl | OH | OH | NH-cyclopropyl |
| acyl | acyl | OH | OH | NH-methyl |
| acyl | acyl | OH | OH | NH-ethyl |
| acyl | acyl | OH | OH | NH-acetyl |
| acyl | acyl | OH | OH | OH |
| acyl | acyl | OH | OH | OMe |
| acyl | acyl | OH | OH | OEt |
| acyl | acyl | OH | OH | O-cyclopropyl |
| acyl | acyl | OH | OH | O-acetyl |
| acyl | acyl | OH | OH | SH |
| acyl | acyl | OH | OH | SMe |
| acyl | acyl | OH | OH | SEt |
| acyl | acyl | OH | OH | S-cyclopropyl |
| acyl | acyl | OH | OH | F |
| acyl | acyl | OH | OH | Cl |
| acyl | acyl | OH | OH | Br |
| acyl | acyl | OH | OH | I |
| acyl | amino acid | OH | OH | H |
| acyl | amino acid | OH | OH | NH ₂ |
| acyl | amino acid | OH | OH | NH-cyclopropyl |
| acyl | amino acid | OH | OH | NH-methyl |
| acyl | amino acid | OH | OH | NH-ethyl |
| acyl | amino acid | OH | OH | NH-acetyl |
| acyl | amino acid | OH | OH | OH |
| acyl | amino acid | OH | OH | OMe |
| acyl | amino acid | OH | OH | OEt |
| acyl | amino acid | OH | OH | O-cyclopropyl |
| acyl | amino acid | OH | OH | O-acetyl |
| acyl | amino acid | OH | OH | SH |
| acyl | amino acid | OH | OH | SMe |
| acyl | amino acid | OH | OH | SEt |
| acyl | amino acid | OH | OH | S-cyclopropyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| acyl | amino acid | OH | OH | F |
| acyl | amino acid | OH | OH | Cl |
| acyl | amino acid | OH | OH | Br |
| acyl | amino acid | OH | OH | I |
| H | acyl | OH | OH | H |
| H | acyl | OH | OH | NH ₂ |
| H | acyl | OH | OH | NH-cyclopropyl |
| H | acyl | OH | OH | NH-methyl |
| H | acyl | OH | OH | NH-ethyl |
| H | acyl | OH | OH | NH-acetyl |
| H | acyl | OH | OH | OH |
| H | acyl | OH | OH | OMe |
| H | acyl | OH | OH | OEt |
| H | acyl | OH | OH | O-cyclopropyl |
| H | acyl | OH | OH | O-acetyl |
| H | acyl | OH | OH | SH |
| H | acyl | OH | OH | SMe |
| H | acyl | OH | OH | SEt |
| H | acyl | OH | OH | S-cyclopropyl |
| H | acyl | OH | OH | F |
| H | acyl | OH | OH | Cl |
| H | acyl | OH | OH | Br |
| H | acyl | OH | OH | I |
| H | amino acid | OH | OH | H |
| H | amino acid | OH | OH | NH ₂ |
| H | amino acid | OH | OH | NH-cyclopropyl |
| H | amino acid | OH | OH | NH-methyl |
| H | amino acid | OH | OH | NH-ethyl |
| H | amino acid | OH | OH | NH-acetyl |
| H | amino acid | OH | OH | OH |
| H | amino acid | OH | OH | OMe |
| H | amino acid | OH | OH | OEt |
| H | amino acid | OH | OH | O-cyclopropyl |
| H | amino acid | OH | OH | O-acetyl |
| H | amino acid | OH | OH | SH |
| H | amino acid | OH | OH | SMe |
| H | amino acid | OH | OH | SEt |
| H | amino acid | OH | OH | S-cyclopropyl |
| H | amino acid | OH | OH | F |
| H | amino acid | OH | OH | Cl |
| H | amino acid | OH | OH | Br |
| H | amino acid | OH | OH | I |
| amino acid | amino acid | OH | OH | H |
| amino acid | amino acid | OH | OH | NH ₂ |
| amino acid | amino acid | OH | OH | NH-cyclopropyl |
| amino acid | amino acid | OH | OH | NH-methyl |
| amino acid | amino acid | OH | OH | NH-ethyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| amino acid | amino acid | OH | OH | NH-acetyl |
| amino acid | amino acid | OH | OH | OH |
| amino acid | amino acid | OH | OH | OMe |
| amino acid | amino acid | OH | OH | OEt |
| amino acid | amino acid | OH | OH | O-cyclopropyl |
| amino acid | amino acid | OH | OH | O-acetyl |
| amino acid | amino acid | OH | OH | SH |
| amino acid | amino acid | OH | OH | SMe |
| amino acid | amino acid | OH | OH | SEt |
| amino acid | amino acid | OH | OH | S-cyclopropyl |
| amino acid | amino acid | OH | OH | F |
| amino acid | amino acid | OH | OH | Cl |
| amino acid | amino acid | OH | OH | Br |
| amino acid | amino acid | OH | OH | I |
| amino acid | H | OH | OH | H |
| amino acid | H | OH | OH | NH ₂ |
| amino acid | H | OH | OH | NH-cyclopropyl |
| amino acid | H | OH | OH | NH-methyl |
| amino acid | H | OH | OH | NH-ethyl |
| amino acid | H | OH | OH | NH-acetyl |
| amino acid | H | OH | OH | OH |
| amino acid | H | OH | OH | OMe |
| amino acid | H | OH | OH | OEt |
| amino acid | H | OH | OH | O-cyclopropyl |
| amino acid | H | OH | OH | O-acetyl |
| amino acid | H | OH | OH | SH |
| amino acid | H | OH | OH | SMe |
| amino acid | H | OH | OH | SEt |
| amino acid | H | OH | OH | S-cyclopropyl |
| amino acid | H | OH | OH | F |
| amino acid | H | OH | OH | Cl |
| amino acid | H | OH | OH | Br |
| amino acid | H | OH | OH | I |
| amino acid | acyl | OH | OH | H |
| amino acid | acyl | OH | OH | NH ₂ |
| amino acid | acyl | OH | OH | NH-cyclopropyl |
| amino acid | acyl | OH | OH | NH-methyl |
| amino acid | acyl | OH | OH | NH-ethyl |
| amino acid | acyl | OH | OH | NH-acetyl |
| amino acid | acyl | OH | OH | OH |
| amino acid | acyl | OH | OH | OMe |
| amino acid | acyl | OH | OH | OEt |
| amino acid | acyl | OH | OH | O-cyclopropyl |
| amino acid | acyl | OH | OH | O-acetyl |
| amino acid | acyl | OH | OH | SH |
| amino acid | acyl | OH | OH | SMe |
| amino acid | acyl | OH | OH | SEt |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| amino acid | acyl | OH | OH | S-cyclopropyl |
| amino acid | acyl | OH | OH | F |
| amino acid | acyl | OH | OH | Cl |
| amino acid | acyl | OH | OH | Br |
| amino acid | acyl | OH | OH | I |
| acyl | H | SH | SH | H |
| acyl | H | SH | SH | NH ₂ |
| acyl | H | SH | SH | NH-cyclopropyl |
| acyl | H | SH | SH | NH-methyl |
| acyl | H | SH | SH | NH-ethyl |
| acyl | H | SH | SH | NH-acetyl |
| acyl | H | SH | SH | OH |
| acyl | H | SH | SH | OMe |
| acyl | H | SH | SH | OEt |
| acyl | H | SH | SH | O-cyclopropyl |
| acyl | H | SH | SH | O-acetyl |
| acyl | H | SH | SH | SH |
| acyl | H | SH | SH | SMe |
| acyl | H | SH | SH | SEt |
| acyl | H | SH | SH | S-cyclopropyl |
| acyl | H | SH | SH | F |
| acyl | H | SH | SH | Cl |
| acyl | H | SH | SH | Br |
| acyl | H | SH | SH | I |
| acyl | acyl | SH | SH | H |
| acyl | acyl | SH | SH | NH ₂ |
| acyl | acyl | SH | SH | NH-cyclopropyl |
| acyl | acyl | SH | SH | NH-methyl |
| acyl | acyl | SH | SH | NH-ethyl |
| acyl | acyl | SH | SH | NH-acetyl |
| acyl | acyl | SH | SH | OH |
| acyl | acyl | SH | SH | OMe |
| acyl | acyl | SH | SH | OEt |
| acyl | acyl | SH | SH | O-cyclopropyl |
| acyl | acyl | SH | SH | O-acetyl |
| acyl | acyl | SH | SH | SH |
| acyl | acyl | SH | SH | SMe |
| acyl | acyl | SH | SH | SEt |
| acyl | acyl | SH | SH | S-cyclopropyl |
| acyl | acyl | SH | SH | F |
| acyl | acyl | SH | SH | Cl |
| acyl | acyl | SH | SH | Br |
| acyl | acyl | SH | SH | I |
| acyl | amino acid | SH | SH | H |
| acyl | amino acid | SH | SH | NH ₂ |
| acyl | amino acid | SH | SH | NH-cyclopropyl |
| acyl | amino acid | SH | SH | NH-methyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| acyl | amino acid | SH | SH | NH-ethyl |
| acyl | amino acid | SH | SH | NH-acetyl |
| acyl | amino acid | SH | SH | OH |
| acyl | amino acid | SH | SH | OMe |
| acyl | amino acid | SH | SH | OEt |
| acyl | amino acid | SH | SH | O-cyclopropyl |
| acyl | amino acid | SH | SH | O-acetyl |
| acyl | amino acid | SH | SH | SH |
| acyl | amino acid | SH | SH | SMe |
| acyl | amino acid | SH | SH | SEt |
| acyl | amino acid | SH | SH | S-cyclopropyl |
| acyl | amino acid | SH | SH | F |
| acyl | amino acid | SH | SH | Cl |
| acyl | amino acid | SH | SH | Br |
| acyl | amino acid | SH | SH | I |
| H | acyl | SH | SH | H |
| H | acyl | SH | SH | NH ₂ |
| H | acyl | SH | SH | NH-cyclopropyl |
| H | acyl | SH | SH | NH-methyl |
| H | acyl | SH | SH | NH-ethyl |
| H | acyl | SH | SH | NH-acetyl |
| H | acyl | SH | SH | OH |
| H | acyl | SH | SH | OMe |
| H | acyl | SH | SH | OEt |
| H | acyl | SH | SH | O-cyclopropyl |
| H | acyl | SH | SH | O-acetyl |
| H | acyl | SH | SH | SH |
| H | acyl | SH | SH | SMe |
| H | acyl | SH | SH | SEt |
| H | acyl | SH | SH | S-cyclopropyl |
| H | acyl | SH | SH | F |
| H | acyl | SH | SH | Cl |
| H | acyl | SH | SH | Br |
| H | acyl | SH | SH | I |
| H | amino acid | SH | SH | H |
| H | amino acid | SH | SH | NH ₂ |
| H | amino acid | SH | SH | NH-cyclopropyl |
| H | amino acid | SH | SH | NH-methyl |
| H | amino acid | SH | SH | NH-ethyl |
| H | amino acid | SH | SH | NH-acetyl |
| H | amino acid | SH | SH | OH |
| H | amino acid | SH | SH | OMe |
| H | amino acid | SH | SH | OEt |
| H | amino acid | SH | SH | O-cyclopropyl |
| H | amino acid | SH | SH | O-acetyl |
| H | amino acid | SH | SH | SH |
| H | amino acid | SH | SH | SMe |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|-----------------|
| H | amino acid | SH | SH | SEt |
| H | amino acid | SH | SH | S-cyclopropyl |
| H | amino acid | SH | SH | F |
| H | amino acid | SH | SH | Cl |
| H | amino acid | SH | SH | Br |
| H | amino acid | SH | SH | I |
| amino acid | amino acid | SH | SH | H |
| amino acid | amino acid | SH | SH | NH ₂ |
| amino acid | amino acid | SH | SH | NH-cyclopropyl |
| amino acid | amino acid | SH | SH | NH-methyl |
| amino acid | amino acid | SH | SH | NH-ethyl |
| amino acid | amino acid | SH | SH | NH-acetyl |
| amino acid | amino acid | SH | SH | OH |
| amino acid | amino acid | SH | SH | OMe |
| amino acid | amino acid | SH | SH | OEt |
| amino acid | amino acid | SH | SH | O-cyclopropyl |
| amino acid | amino acid | SH | SH | O-acetyl |
| amino acid | amino acid | SH | SH | SH |
| amino acid | amino acid | SH | SH | SMe |
| amino acid | amino acid | SH | SH | SEt |
| amino acid | amino acid | SH | SH | S-cyclopropyl |
| amino acid | amino acid | SH | SH | F |
| amino acid | amino acid | SH | SH | Cl |
| amino acid | amino acid | SH | SH | Br |
| amino acid | amino acid | SH | SH | I |
| amino acid | H | SH | SH | H |
| amino acid | H | SH | SH | NH ₂ |
| amino acid | H | SH | SH | NH-cyclopropyl |
| amino acid | H | SH | SH | NH-methyl |
| amino acid | H | SH | SH | NH-ethyl |
| amino acid | H | SH | SH | NH-acetyl |
| amino acid | H | SH | SH | OH |
| amino acid | H | SH | SH | OMe |
| amino acid | H | SH | SH | OEt |
| amino acid | H | SH | SH | O-cyclopropyl |
| amino acid | H | SH | SH | O-acetyl |
| amino acid | H | SH | SH | SH |
| amino acid | H | SH | SH | SMe |
| amino acid | H | SH | SH | SEt |
| amino acid | H | SH | SH | S-cyclopropyl |
| amino acid | H | SH | SH | F |
| amino acid | H | SH | SH | Cl |
| amino acid | H | SH | SH | Br |
| amino acid | H | SH | SH | I |
| amino acid | acyl | SH | SH | H |
| amino acid | acyl | SH | SH | NH ₂ |
| amino acid | acyl | SH | SH | NH-cyclopropyl |

| R ² | R ³ | X ¹ | X ² | Y |
|----------------|----------------|----------------|----------------|---------------|
| amino acid | acyl | SH | SH | NH-methyl |
| amino acid | acyl | SH | SH | NH-ethyl |
| amino acid | acyl | SH | SH | NH-acetyl |
| amino acid | acyl | SH | SH | OH |
| amino acid | acyl | SH | SH | OMe |
| amino acid | acyl | SH | SH | OEt |
| amino acid | acyl | SH | SH | O-cyclopropyl |
| amino acid | acyl | SH | SH | O-acetyl |
| amino acid | acyl | SH | SH | SH |
| amino acid | acyl | SH | SH | SMe |
| amino acid | acyl | SH | SH | SEt |
| amino acid | acyl | SH | SH | S-cyclopropyl |
| amino acid | acyl | SH | SH | F |
| amino acid | acyl | SH | SH | Cl |
| amino acid | acyl | SH | SH | Br |
| amino acid | acyl | SH | SH | I |

Table 21

| R ² | R ³ | R ⁶ | X | Base |
|----------------|----------------|-----------------|---|--------------------------------------|
| acyl | H | CH ₃ | O | Thymine |
| acyl | H | CH ₃ | O | Uracil |
| acyl | H | CH ₃ | O | Guanine |
| acyl | H | CH ₃ | O | Cytosine |
| acyl | H | CH ₃ | O | Adenine |
| acyl | H | CH ₃ | O | Hypoxanthine |
| acyl | H | CH ₃ | O | 5-Fluorouracil |
| acyl | H | CH ₃ | O | 8-Fluoroguanine |
| acyl | H | CH ₃ | O | 5-Fluorocytosine |
| acyl | H | CH ₃ | O | 8-Fluoroadenine |
| acyl | H | CH ₃ | O | 2-Fluoroadenine |
| acyl | H | CH ₃ | O | 2,8-Difluoroadenine |
| acyl | H | CH ₃ | O | 2-Fluorohypoxanthine |
| acyl | H | CH ₃ | O | 8-Fluorohypoxanthine |
| acyl | H | CH ₃ | O | 2,8-Difluorohypoxanthine |
| acyl | H | CH ₃ | O | 2-Aminoadenine |
| acyl | H | CH ₃ | O | 2-Amino-8-fluoroadenine |
| acyl | H | CH ₃ | O | 2-Amino-8-fluorohypoxanthine |
| acyl | H | CH ₃ | O | 2-Aminohypoxanthine |
| acyl | H | CH ₃ | O | 2-N-acetylguanine |
| acyl | H | CH ₃ | O | 4-N-acetylcytosine |
| acyl | H | CH ₃ | O | 6-N-acetyladenine |
| acyl | H | CH ₃ | O | 2-N-acetyl-8-fluoroguanine |
| acyl | H | CH ₃ | O | 4-N-acetyl-5-fluorocytosine |
| acyl | H | CH ₃ | O | 6-N-acetyl-2-fluoroadenine |
| acyl | H | CH ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| acyl | H | CH ₃ | O | 6-N-acetyl-2-aminoadenine |
| acyl | H | CH ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |
| acyl | H | CH ₃ | O | 2-N-acetylaminoadenine |
| acyl | H | CH ₃ | O | 2-N-acetylamino-8-fluoroadenine |
| acyl | H | CH ₃ | O | 2-N-acetylamino-8-fluorohypoxanthine |
| acyl | H | CH ₃ | O | 2-N-acetylaminohypoxanthine |
| acyl | acyl | CH ₃ | O | Thymine |
| acyl | acyl | CH ₃ | O | Uracil |
| acyl | acyl | CH ₃ | O | Guanine |
| acyl | acyl | CH ₃ | O | Cytosine |
| acyl | acyl | CH ₃ | O | Adenine |
| acyl | acyl | CH ₃ | O | Hypoxanthine |
| acyl | acyl | CH ₃ | O | 5-Fluorouracil |
| acyl | acyl | CH ₃ | O | 8-Fluoroguanine |
| acyl | acyl | CH ₃ | O | 5-Fluorocytosine |
| acyl | acyl | CH ₃ | O | 8-Fluoroadenine |
| acyl | acyl | CH ₃ | O | 2-Fluoroadenine |
| acyl | acyl | CH ₃ | O | 2,8-Difluoroadenine |
| acyl | acyl | CH ₃ | O | 2-Fluorohypoxanthine |

| R ² | R ³ | R ⁶ | X | Base |
|----------------|----------------|-----------------|---|---------------------------------------|
| acyl | acyl | CH ₃ | O | 8-Fluorohypoxanthine |
| acyl | acyl | CH ₃ | O | 2,8-Difluorohypoxanthine |
| acyl | acyl | CH ₃ | O | 2-Aminoadenine |
| acyl | acyl | CH ₃ | O | 2-Amino-8-fluoroadenine |
| acyl | acyl | CH ₃ | O | 2-Amino-8-fluorohypoxanthine |
| acyl | acyl | CH ₃ | O | 2-Aminohypoxanthine |
| acyl | acyl | CH ₃ | O | 2-N-acetylguanine |
| acyl | acyl | CH ₃ | O | 4-N-acetylcytosine |
| acyl | acyl | CH ₃ | O | 6-N-acetyladenine |
| acyl | acyl | CH ₃ | O | 2-N-acetyl-8-fluoroguanine |
| acyl | acyl | CH ₃ | O | 4-N-acetyl-5-fluorocytosine |
| acyl | acyl | CH ₃ | O | 6-N-acetyl-2-fluoroadenine |
| acyl | acyl | CH ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| acyl | acyl | CH ₃ | O | 6-N-acetyl-2-aminoadenine |
| acyl | acyl | CH ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |
| acyl | acyl | CH ₃ | O | 2-N-acetylaminoadenine |
| acyl | acyl | CH ₃ | O | 2-N-acetyl-amino-8-fluoroadenine |
| acyl | acyl | CH ₃ | O | 2-N-acetyl-amino-8-fluorohypoxanthine |
| acyl | acyl | CH ₃ | O | 2-N-acetylaminohypoxanthine |
| acyl | amino acid | CH ₃ | O | Thymine |
| acyl | amino acid | CH ₃ | O | Uracil |
| acyl | amino acid | CH ₃ | O | Guanine |
| acyl | amino acid | CH ₃ | O | Cytosine |
| acyl | amino acid | CH ₃ | O | Adenine |
| acyl | amino acid | CH ₃ | O | Hypoxanthine |
| acyl | amino acid | CH ₃ | O | 5-Fluorouracil |
| acyl | amino acid | CH ₃ | O | 8-Fluoroguanine |
| acyl | amino acid | CH ₃ | O | 5-Fluorocytosine |
| acyl | amino acid | CH ₃ | O | 8-Fluoroadenine |
| acyl | amino acid | CH ₃ | O | 2-Fluoroadenine |
| acyl | amino acid | CH ₃ | O | 2,8-Difluoroadenine |
| acyl | amino acid | CH ₃ | O | 2-Fluorohypoxanthine |
| acyl | amino acid | CH ₃ | O | 8-Fluorohypoxanthine |
| acyl | amino acid | CH ₃ | O | 2,8-Difluorohypoxanthine |
| acyl | amino acid | CH ₃ | O | 2-Aminoadenine |
| acyl | amino acid | CH ₃ | O | 2-Amino-8-fluoroadenine |
| acyl | amino acid | CH ₃ | O | 2-Amino-8-fluorohypoxanthine |
| acyl | amino acid | CH ₃ | O | 2-Aminohypoxanthine |
| acyl | amino acid | CH ₃ | O | 2-N-acetylguanine |
| acyl | amino acid | CH ₃ | O | 4-N-acetylcytosine |
| acyl | amino acid | CH ₃ | O | 6-N-acetyladenine |
| acyl | amino acid | CH ₃ | O | 2-N-acetyl-8-fluoroguanine |
| acyl | amino acid | CH ₃ | O | 4-N-acetyl-5-fluorocytosine |
| acyl | amino acid | CH ₃ | O | 6-N-acetyl-2-fluoroadenine |
| acyl | amino acid | CH ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| acyl | amino acid | CH ₃ | O | 6-N-acetyl-2-aminoadenine |
| acyl | amino acid | CH ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |

| R ² | R ³ | R ⁶ | X | Base |
|----------------|----------------|-----------------|---|--------------------------------------|
| acyl | amino acid | CH ₃ | O | 2-N-acetylaminoadenine |
| acyl | amino acid | CH ₃ | O | 2-N-acetylamino-8-fluoroadenine |
| acyl | amino acid | CH ₃ | O | 2-N-acetylamino-8-fluorohypoxanthine |
| acyl | amino acid | CH ₃ | O | 2-N-acetylaminohypoxanthine |
| H | acyl | CH ₃ | O | Thymine |
| H | acyl | CH ₃ | O | Uracil |
| H | acyl | CH ₃ | O | Guanine |
| H | acyl | CH ₃ | O | Cytosine |
| H | acyl | CH ₃ | O | Adenine |
| H | acyl | CH ₃ | O | Hypoxanthine |
| H | acyl | CH ₃ | O | 5-Fluorouracil |
| H | acyl | CH ₃ | O | 8-Fluoroguanine |
| H | acyl | CH ₃ | O | 5-Fluorocytosine |
| H | acyl | CH ₃ | O | 8-Fluoroadenine |
| H | acyl | CH ₃ | O | 2-Fluoroadenine |
| H | acyl | CH ₃ | O | 2,8-Difluoroadenine |
| H | acyl | CH ₃ | O | 2-Fluorohypoxanthine |
| H | acyl | CH ₃ | O | 8-Fluorohypoxanthine |
| H | acyl | CH ₃ | O | 2,8-Difluorohypoxanthine |
| H | acyl | CH ₃ | O | 2-Aminoadenine |
| H | acyl | CH ₃ | O | 2-Amino-8-fluoroadenine |
| H | acyl | CH ₃ | O | 2-Amino-8-fluorohypoxanthine |
| H | acyl | CH ₃ | O | 2-Aminohypoxanthine |
| H | acyl | CH ₃ | O | 2-N-acetylguanine |
| H | acyl | CH ₃ | O | 4-N-acetylcytosine |
| H | acyl | CH ₃ | O | 6-N-acetyladenine |
| H | acyl | CH ₃ | O | 2-N-acetyl-8-fluoroguanine |
| H | acyl | CH ₃ | O | 4-N-acetyl-5-fluorocytosine |
| H | acyl | CH ₃ | O | 6-N-acetyl-2-fluoroadenine |
| H | acyl | CH ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| H | acyl | CH ₃ | O | 6-N-acetyl-2-aminoadenine |
| H | acyl | CH ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |
| H | acyl | CH ₃ | O | 2-N-acetylaminoadenine |
| H | acyl | CH ₃ | O | 2-N-acetylamino-8-fluoroadenine |
| H | acyl | CH ₃ | O | 2-N-acetylamino-8-fluorohypoxanthine |
| H | acyl | CH ₃ | O | 2-N-acetylaminohypoxanthine |
| H | amino acid | CH ₃ | O | Thymine |
| H | amino acid | CH ₃ | O | Uracil |
| H | amino acid | CH ₃ | O | Guanine |
| H | amino acid | CH ₃ | O | Cytosine |
| H | amino acid | CH ₃ | O | Adenine |
| H | amino acid | CH ₃ | O | Hypoxanthine |
| H | amino acid | CH ₃ | O | 5-Fluorouracil |
| H | amino acid | CH ₃ | O | 8-Fluoroguanine |
| H | amino acid | CH ₃ | O | 5-Fluorocytosine |
| H | amino acid | CH ₃ | O | 8-Fluoroadenine |
| H | amino acid | CH ₃ | O | 2-Fluoroadenine |

| R ² | R ³ | R ⁶ | X | Base |
|----------------|----------------|-----------------|---|---------------------------------------|
| H | amino acid | CH ₃ | O | 2,8-Difluoroadenine |
| H | amino acid | CH ₃ | O | 2-Fluorohypoxanthine |
| H | amino acid | CH ₃ | O | 8-Fluorohypoxanthine |
| H | amino acid | CH ₃ | O | 2,8-Difluorohypoxanthine |
| H | amino acid | CH ₃ | O | 2-Aminoadenine |
| H | amino acid | CH ₃ | O | 2-Amino-8-fluoroadenine |
| H | amino acid | CH ₃ | O | 2-Amino-8-fluorohypoxanthine |
| H | amino acid | CH ₃ | O | 2-Aminohypoxanthine |
| H | amino acid | CH ₃ | O | 2-N-acetylguanine |
| H | amino acid | CH ₃ | O | 4-N-acetylcytosine |
| H | amino acid | CH ₃ | O | 6-N-acetyl原因 |
| H | amino acid | CH ₃ | O | 2-N-acetyl-8-fluoroguanine |
| H | amino acid | CH ₃ | O | 4-N-acetyl-5-fluorocytosine |
| H | amino acid | CH ₃ | O | 6-N-acetyl-2-fluoroadenine |
| H | amino acid | CH ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| H | amino acid | CH ₃ | O | 6-N-acetyl-2-aminoadenine |
| H | amino acid | CH ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |
| H | amino acid | CH ₃ | O | 2-N-acetylaminoadenine |
| H | amino acid | CH ₃ | O | 2-N-acetyl-amino-8-fluoroadenine |
| H | amino acid | CH ₃ | O | 2-N-acetyl-amino-8-fluorohypoxanthine |
| H | amino acid | CH ₃ | O | 2-N-acetylaminohypoxanthine |
| amino acid | amino acid | CH ₃ | O | Thymine |
| amino acid | amino acid | CH ₃ | O | Uracil |
| amino acid | amino acid | CH ₃ | O | Guanine |
| amino acid | amino acid | CH ₃ | O | Cytosine |
| amino acid | amino acid | CH ₃ | O | Adenine |
| amino acid | amino acid | CH ₃ | O | Hypoxanthine |
| amino acid | amino acid | CH ₃ | O | 5-Fluorouracil |
| amino acid | amino acid | CH ₃ | O | 8-Fluoroguanine |
| amino acid | amino acid | CH ₃ | O | 5-Fluorocytosine |
| amino acid | amino acid | CH ₃ | O | 8-Fluoroadenine |
| amino acid | amino acid | CH ₃ | O | 2-Fluoroadenine |
| amino acid | amino acid | CH ₃ | O | 2,8-Difluoroadenine |
| amino acid | amino acid | CH ₃ | O | 2-Fluorohypoxanthine |
| amino acid | amino acid | CH ₃ | O | 8-Fluorohypoxanthine |
| amino acid | amino acid | CH ₃ | O | 2,8-Difluorohypoxanthine |
| amino acid | amino acid | CH ₃ | O | 2-Aminoadenine |
| amino acid | amino acid | CH ₃ | O | 2-Amino-8-fluoroadenine |
| amino acid | amino acid | CH ₃ | O | 2-Amino-8-fluorohypoxanthine |
| amino acid | amino acid | CH ₃ | O | 2-Aminohypoxanthine |
| amino acid | amino acid | CH ₃ | O | 2-N-acetylguanine |
| amino acid | amino acid | CH ₃ | O | 4-N-acetylcytosine |
| amino acid | amino acid | CH ₃ | O | 6-N-acetyl原因 |
| amino acid | amino acid | CH ₃ | O | 2-N-acetyl-8-fluoroguanine |
| amino acid | amino acid | CH ₃ | O | 4-N-acetyl-5-fluorocytosine |
| amino acid | amino acid | CH ₃ | O | 6-N-acetyl-2-fluoroadenine |
| amino acid | amino acid | CH ₃ | O | 6-N-acetyl-2,8-difluoroadenine |

| R ² | R ³ | R ⁶ | X | Base |
|----------------|----------------|-----------------|---|---------------------------------------|
| amino acid | amino acid | CH ₃ | O | 6-N-acetyl-2-aminoadenine |
| amino acid | amino acid | CH ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |
| amino acid | amino acid | CH ₃ | O | 2-N-acetylaminoadenine |
| amino acid | amino acid | CH ₃ | O | 2-N-acetyl-amino-8-fluoroadenine |
| amino acid | amino acid | CH ₃ | O | 2-N-acetyl-amino-8-fluorohypoxanthine |
| amino acid | amino acid | CH ₃ | O | 2-N-acetylaminohypoxanthine |
| amino acid | H | CH ₃ | O | Thymine |
| amino acid | H | CH ₃ | O | Uracil |
| amino acid | H | CH ₃ | O | Guanine |
| amino acid | H | CH ₃ | O | Cytosine |
| amino acid | H | CH ₃ | O | Adenine |
| amino acid | H | CH ₃ | O | Hypoxanthine |
| amino acid | H | CH ₃ | O | 5-Fluorouracil |
| amino acid | H | CH ₃ | O | 8-Fluoroguanine |
| amino acid | H | CH ₃ | O | 5-Fluorocytosine |
| amino acid | H | CH ₃ | O | 8-Fluoroadenine |
| amino acid | H | CH ₃ | O | 2-Fluoroadenine |
| amino acid | H | CH ₃ | O | 2,8-Difluoroadenine |
| amino acid | H | CH ₃ | O | 2-Fluorohypoxanthine |
| amino acid | H | CH ₃ | O | 8-Fluorohypoxanthine |
| amino acid | H | CH ₃ | O | 2,8-Difluorohypoxanthine |
| amino acid | H | CH ₃ | O | 2-Aminoadenine |
| amino acid | H | CH ₃ | O | 2-Amino-8-fluoroadenine |
| amino acid | H | CH ₃ | O | 2-Amino-8-fluorohypoxanthine |
| amino acid | H | CH ₃ | O | 2-Aminohypoxanthine |
| amino acid | H | CH ₃ | O | 2-N-acetylguanine |
| amino acid | H | CH ₃ | O | 4-N-acetylcytosine |
| amino acid | H | CH ₃ | O | 6-N-acetyl-adenine |
| amino acid | H | CH ₃ | O | 2-N-acetyl-8-fluoroguanine |
| amino acid | H | CH ₃ | O | 4-N-acetyl-5-fluorocytosine |
| amino acid | H | CH ₃ | O | 6-N-acetyl-2-fluoroadenine |
| amino acid | H | CH ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| amino acid | H | CH ₃ | O | 6-N-acetyl-2-aminoadenine |
| amino acid | H | CH ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |
| amino acid | H | CH ₃ | O | 2-N-acetylaminoadenine |
| amino acid | H | CH ₃ | O | 2-N-acetyl-amino-8-fluoroadenine |
| amino acid | H | CH ₃ | O | 2-N-acetyl-amino-8-fluorohypoxanthine |
| amino acid | H | CH ₃ | O | 2-N-acetylaminohypoxanthine |
| amino acid | acyl | CH ₃ | O | Thymine |
| amino acid | acyl | CH ₃ | O | Uracil |
| amino acid | acyl | CH ₃ | O | Guanine |
| amino acid | acyl | CH ₃ | O | Cytosine |
| amino acid | acyl | CH ₃ | O | Adenine |
| amino acid | acyl | CH ₃ | O | Hypoxanthine |
| amino acid | acyl | CH ₃ | O | 5-Fluorouracil |
| amino acid | acyl | CH ₃ | O | 8-Fluoroguanine |
| amino acid | acyl | CH ₃ | O | 5-Fluorocytosine |

| R ² | R ³ | R ⁶ | X | Base |
|----------------|----------------|-----------------|---|---------------------------------------|
| amino acid | acyl | CH ₃ | O | 8-Fluoroadenine |
| amino acid | acyl | CH ₃ | O | 2-Fluoroadenine |
| amino acid | acyl | CH ₃ | O | 2,8-Difluoroadenine |
| amino acid | acyl | CH ₃ | O | 2-Fluorohypoxanthine |
| amino acid | acyl | CH ₃ | O | 8-Fluorohypoxanthine |
| amino acid | acyl | CH ₃ | O | 2,8-Difluorohypoxanthine |
| amino acid | acyl | CH ₃ | O | 2-Aminoadenine |
| amino acid | acyl | CH ₃ | O | 2-Amino-8-fluoroadenine |
| amino acid | acyl | CH ₃ | O | 2-Amino-8-fluorohypoxanthine |
| amino acid | acyl | CH ₃ | O | 2-Aminohypoxanthine |
| amino acid | acyl | CH ₃ | O | 2-N-acetylguanine |
| amino acid | acyl | CH ₃ | O | 4-N-acetylcytosine |
| amino acid | acyl | CH ₃ | O | 6-N-acetyladenine |
| amino acid | acyl | CH ₃ | O | 2-N-acetyl-8-fluoroguanine |
| amino acid | acyl | CH ₃ | O | 4-N-acetyl-5-fluorocytosine |
| amino acid | acyl | CH ₃ | O | 6-N-acetyl-2-fluoroadenine |
| amino acid | acyl | CH ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| amino acid | acyl | CH ₃ | O | 6-N-acetyl-2-aminoadenine |
| amino acid | acyl | CH ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |
| amino acid | acyl | CH ₃ | O | 2-N-acetylaminoadenine |
| amino acid | acyl | CH ₃ | O | 2-N-acetyl-amino-8-fluoroadenine |
| amino acid | acyl | CH ₃ | O | 2-N-acetyl-amino-8-fluorohypoxanthine |
| amino acid | acyl | CH ₃ | O | 2-N-acetylaminohypoxanthine |
| acyl | H | CH ₃ | S | Thymine |
| acyl | H | CH ₃ | S | Uracil |
| acyl | H | CH ₃ | S | Guanine |
| acyl | H | CH ₃ | S | Cytosine |
| acyl | H | CH ₃ | S | Adenine |
| acyl | H | CH ₃ | S | Hypoxanthine |
| acyl | H | CH ₃ | S | 5-Fluorouracil |
| acyl | H | CH ₃ | S | 8-Fluoroguanine |
| acyl | H | CH ₃ | S | 5-Fluorocytosine |
| acyl | H | CH ₃ | S | 8-Fluoroadenine |
| acyl | H | CH ₃ | S | 2-Fluoroadenine |
| acyl | H | CH ₃ | S | 2,8-Difluoroadenine |
| acyl | H | CH ₃ | S | 2-Fluorohypoxanthine |
| acyl | H | CH ₃ | S | 8-Fluorohypoxanthine |
| acyl | H | CH ₃ | S | 2,8-Difluorohypoxanthine |
| acyl | H | CH ₃ | S | 2-Aminoadenine |
| acyl | H | CH ₃ | S | 2-Amino-8-fluoroadenine |
| acyl | H | CH ₃ | S | 2-Amino-8-fluorohypoxanthine |
| acyl | H | CH ₃ | S | 2-Aminohypoxanthine |
| acyl | H | CH ₃ | S | 2-N-acetylguanine |
| acyl | H | CH ₃ | S | 4-N-acetylcytosine |
| acyl | H | CH ₃ | S | 6-N-acetyladenine |
| acyl | H | CH ₃ | S | 2-N-acetyl-8-fluoroguanine |
| acyl | H | CH ₃ | S | 4-N-acetyl-5-fluorocytosine |

| R ² | R ³ | R ⁶ | X | Base |
|----------------|----------------|-----------------|---|--------------------------------------|
| acyl | H | CH ₃ | S | 6-N-acetyl-2-fluoroadenine |
| acyl | H | CH ₃ | S | 6-N-acetyl-2,8-difluoroadenine |
| acyl | H | CH ₃ | S | 6-N-acetyl-2-aminoadenine |
| acyl | H | CH ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| acyl | H | CH ₃ | S | 2-N-acetylaminoadenine |
| acyl | H | CH ₃ | S | 2-N-acetylamino-8-fluoroadenine |
| acyl | H | CH ₃ | S | 2-N-acetylamino-8-fluorohypoxanthine |
| acyl | H | CH ₃ | S | 2-N-acetylaminohypoxanthine |
| acyl | acyl | CH ₃ | S | Thymine |
| acyl | acyl | CH ₃ | S | Uracil |
| acyl | acyl | CH ₃ | S | Guanine |
| acyl | acyl | CH ₃ | S | Cytosine |
| acyl | acyl | CH ₃ | S | Adenine |
| acyl | acyl | CH ₃ | S | Hypoxanthine |
| acyl | acyl | CH ₃ | S | 5-Fluorouracil |
| acyl | acyl | CH ₃ | S | 8-Fluoroguanine |
| acyl | acyl | CH ₃ | S | 5-Fluorocytosine |
| acyl | acyl | CH ₃ | S | 8-Fluoroadenine |
| acyl | acyl | CH ₃ | S | 2-Fluoroadenine |
| acyl | acyl | CH ₃ | S | 2,8-Difluoroadenine |
| acyl | acyl | CH ₃ | S | 2-Fluorohypoxanthine |
| acyl | acyl | CH ₃ | S | 8-Fluorohypoxanthine |
| acyl | acyl | CH ₃ | S | 2,8-Difluorohypoxanthine |
| acyl | acyl | CH ₃ | S | 2-Aminoadenine |
| acyl | acyl | CH ₃ | S | 2-Amino-8-fluoroadenine |
| acyl | acyl | CH ₃ | S | 2-Amino-8-fluorohypoxanthine |
| acyl | acyl | CH ₃ | S | 2-Aminohypoxanthine |
| acyl | acyl | CH ₃ | S | 2-N-acetylguanine |
| acyl | acyl | CH ₃ | S | 4-N-acetylcytosine |
| acyl | acyl | CH ₃ | S | 6-N-acetyladenine |
| acyl | acyl | CH ₃ | S | 2-N-acetyl-8-fluoroguanine |
| acyl | acyl | CH ₃ | S | 4-N-acetyl-5-fluorocytosine |
| acyl | acyl | CH ₃ | S | 6-N-acetyl-2-fluoroadenine |
| acyl | acyl | CH ₃ | S | 6-N-acetyl-2,8-difluoroadenine |
| acyl | acyl | CH ₃ | S | 6-N-acetyl-2-aminoadenine |
| acyl | acyl | CH ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| acyl | acyl | CH ₃ | S | 2-N-acetylaminoadenine |
| acyl | acyl | CH ₃ | S | 2-N-acetylamino-8-fluoroadenine |
| acyl | acyl | CH ₃ | S | 2-N-acetylamino-8-fluorohypoxanthine |
| acyl | acyl | CH ₃ | S | 2-N-acetylaminohypoxanthine |
| acyl | amino acid | CH ₃ | S | Thymine |
| acyl | amino acid | CH ₃ | S | Uracil |
| acyl | amino acid | CH ₃ | S | Guanine |
| acyl | amino acid | CH ₃ | S | Cytosine |
| acyl | amino acid | CH ₃ | S | Adenine |
| acyl | amino acid | CH ₃ | S | Hypoxanthine |
| acyl | amino acid | CH ₃ | S | 5-Fluorouracil |

| R ² | R ³ | R ⁶ | X | Base |
|----------------|----------------|-----------------|---|---------------------------------------|
| acyl | amino acid | CH ₃ | S | 8-Fluoroguanine |
| acyl | amino acid | CH ₃ | S | 5-Fluorocytosine |
| acyl | amino acid | CH ₃ | S | 8-Fluoroadenine |
| acyl | amino acid | CH ₃ | S | 2-Fluoroadenine |
| acyl | amino acid | CH ₃ | S | 2,8-Difluoroadenine |
| acyl | amino acid | CH ₃ | S | 2-Fluorohypoxanthine |
| acyl | amino acid | CH ₃ | S | 8-Fluorohypoxanthine |
| acyl | amino acid | CH ₃ | S | 2,8-Difluorohypoxanthine |
| acyl | amino acid | CH ₃ | S | 2-Aminoadenine |
| acyl | amino acid | CH ₃ | S | 2-Amino-8-fluoroadenine |
| acyl | amino acid | CH ₃ | S | 2-Amino-8-fluorohypoxanthine |
| acyl | amino acid | CH ₃ | S | 2-Aminohypoxanthine |
| acyl | amino acid | CH ₃ | S | 2-N-acetylguanine |
| acyl | amino acid | CH ₃ | S | 4-N-acetylcytosine |
| acyl | amino acid | CH ₃ | S | 6-N-acetyladenine |
| acyl | amino acid | CH ₃ | S | 2-N-acetyl-8-fluoroguanine |
| acyl | amino acid | CH ₃ | S | 4-N-acetyl-5-fluorocytosine |
| acyl | amino acid | CH ₃ | S | 6-N-acetyl-2-fluoroadenine |
| acyl | amino acid | CH ₃ | S | 6-N-acetyl-2,8-difluoroadenine |
| acyl | amino acid | CH ₃ | S | 6-N-acetyl-2-aminoadenine |
| acyl | amino acid | CH ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| acyl | amino acid | CH ₃ | S | 2-N-acetylaminoadenine |
| acyl | amino acid | CH ₃ | S | 2-N-acetyl-amino-8-fluoroadenine |
| acyl | amino acid | CH ₃ | S | 2-N-acetyl-amino-8-fluorohypoxanthine |
| acyl | amino acid | CH ₃ | S | 2-N-acetylaminohypoxanthine |
| H | acyl | CH ₃ | S | Thymine |
| H | acyl | CH ₃ | S | Uracil |
| H | acyl | CH ₃ | S | Guanine |
| H | acyl | CH ₃ | S | Cytosine |
| H | acyl | CH ₃ | S | Adenine |
| H | acyl | CH ₃ | S | Hypoxanthine |
| H | acyl | CH ₃ | S | 5-Fluorouracil |
| H | acyl | CH ₃ | S | 8-Fluoroguanine |
| H | acyl | CH ₃ | S | 5-Fluorocytosine |
| H | acyl | CH ₃ | S | 8-Fluoroadenine |
| H | acyl | CH ₃ | S | 2-Fluoroadenine |
| H | acyl | CH ₃ | S | 2,8-Difluoroadenine |
| H | acyl | CH ₃ | S | 2-Fluorohypoxanthine |
| H | acyl | CH ₃ | S | 8-Fluorohypoxanthine |
| H | acyl | CH ₃ | S | 2,8-Difluorohypoxanthine |
| H | acyl | CH ₃ | S | 2-Aminoadenine |
| H | acyl | CH ₃ | S | 2-Amino-8-fluoroadenine |
| H | acyl | CH ₃ | S | 2-Amino-8-fluorohypoxanthine |
| H | acyl | CH ₃ | S | 2-Aminohypoxanthine |
| H | acyl | CH ₃ | S | 2-N-acetylguanine |
| H | acyl | CH ₃ | S | 4-N-acetylcytosine |
| H | acyl | CH ₃ | S | 6-N-acetyladenine |

| R ² | R ³ | R ⁶ | X | Base |
|----------------|----------------|-----------------|---|--------------------------------------|
| H | acyl | CH ₃ | S | 2-N-acetyl-8-fluoroguanine |
| H | acyl | CH ₃ | S | 4-N-acetyl-5-fluorocytosine |
| H | acyl | CH ₃ | S | 6-N-acetyl-2-fluoroadenine |
| H | acyl | CH ₃ | S | 6-N-acetyl-2,8-difluoroadenine |
| H | acyl | CH ₃ | S | 6-N-acetyl-2-aminoadenine |
| H | acyl | CH ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| H | acyl | CH ₃ | S | 2-N-acetylaminoadenine |
| H | acyl | CH ₃ | S | 2-N-acetylamino-8-fluoroadenine |
| H | acyl | CH ₃ | S | 2-N-acetylamino-8-fluorohypoxanthine |
| H | acyl | CH ₃ | S | 2-N-acetylaminohypoxanthine |
| H | amino acid | CH ₃ | S | Thymine |
| H | amino acid | CH ₃ | S | Uracil |
| H | amino acid | CH ₃ | S | Guanine |
| H | amino acid | CH ₃ | S | Cytosine |
| H | amino acid | CH ₃ | S | Adenine |
| H | amino acid | CH ₃ | S | Hypoxanthine |
| H | amino acid | CH ₃ | S | 5-Fluorouracil |
| H | amino acid | CH ₃ | S | 8-Fluoroguanine |
| H | amino acid | CH ₃ | S | 5-Fluorocytosine |
| H | amino acid | CH ₃ | S | 8-Fluoroadenine |
| H | amino acid | CH ₃ | S | 2-Fluoroadenine |
| H | amino acid | CH ₃ | S | 2,8-Difluoroadenine |
| H | amino acid | CH ₃ | S | 2-Fluorohypoxanthine |
| H | amino acid | CH ₃ | S | 8-Fluorohypoxanthine |
| H | amino acid | CH ₃ | S | 2,8-Difluorohypoxanthine |
| H | amino acid | CH ₃ | S | 2-Aminoadenine |
| H | amino acid | CH ₃ | S | 2-Amino-8-fluoroadenine |
| H | amino acid | CH ₃ | S | 2-Amino-8-fluorohypoxanthine |
| H | amino acid | CH ₃ | S | 2-Aminohypoxanthine |
| H | amino acid | CH ₃ | S | 2-N-acetylguanine |
| H | amino acid | CH ₃ | S | 4-N-acetylcytosine |
| H | amino acid | CH ₃ | S | 6-N-acetyladenine |
| H | amino acid | CH ₃ | S | 2-N-acetyl-8-fluoroguanine |
| H | amino acid | CH ₃ | S | 4-N-acetyl-5-fluorocytosine |
| H | amino acid | CH ₃ | S | 6-N-acetyl-2-fluoroadenine |
| H | amino acid | CH ₃ | S | 6-N-acetyl-2,8-difluoroadenine |
| H | amino acid | CH ₃ | S | 6-N-acetyl-2-aminoadenine |
| H | amino acid | CH ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| H | amino acid | CH ₃ | S | 2-N-acetylaminoadenine |
| H | amino acid | CH ₃ | S | 2-N-acetylamino-8-fluoroadenine |
| H | amino acid | CH ₃ | S | 2-N-acetylamino-8-fluorohypoxanthine |
| H | amino acid | CH ₃ | S | 2-N-acetylaminohypoxanthine |
| amino acid | amino acid | CH ₃ | S | Thymine |
| amino acid | amino acid | CH ₃ | S | Uracil |
| amino acid | amino acid | CH ₃ | S | Guanine |
| amino acid | amino acid | CH ₃ | S | Cytosine |
| amino acid | amino acid | CH ₃ | S | Adenine |

| R ² | R ³ | R ⁶ | X | Base |
|----------------|----------------|-----------------|---|---------------------------------------|
| amino acid | amino acid | CH ₃ | S | Hypoxanthine |
| amino acid | amino acid | CH ₃ | S | 5-Fluorouracil |
| amino acid | amino acid | CH ₃ | S | 8-Fluoroguanine |
| amino acid | amino acid | CH ₃ | S | 5-Fluorocytosine |
| amino acid | amino acid | CH ₃ | S | 8-Fluoroadenine |
| amino acid | amino acid | CH ₃ | S | 2-Fluoroadenine |
| amino acid | amino acid | CH ₃ | S | 2,8-Difluoroadenine |
| amino acid | amino acid | CH ₃ | S | 2-Fluorohypoxanthine |
| amino acid | amino acid | CH ₃ | S | 8-Fluorohypoxanthine |
| amino acid | amino acid | CH ₃ | S | 2,8-Difluorohypoxanthine |
| amino acid | amino acid | CH ₃ | S | 2-Aminoadenine |
| amino acid | amino acid | CH ₃ | S | 2-Amino-8-fluoroadenine |
| amino acid | amino acid | CH ₃ | S | 2-Amino-8-fluorohypoxanthine |
| amino acid | amino acid | CH ₃ | S | 2-Aminohypoxanthine |
| amino acid | amino acid | CH ₃ | S | 2-N-acetylguanine |
| amino acid | amino acid | CH ₃ | S | 4-N-acetylcytosine |
| amino acid | amino acid | CH ₃ | S | 6-N-acetylguanine |
| amino acid | amino acid | CH ₃ | S | 2-N-acetyl-8-fluoroguanine |
| amino acid | amino acid | CH ₃ | S | 4-N-acetyl-5-fluorocytosine |
| amino acid | amino acid | CH ₃ | S | 6-N-acetyl-2-fluoroadenine |
| amino acid | amino acid | CH ₃ | S | 6-N-acetyl-2,8-difluoroadenine |
| amino acid | amino acid | CH ₃ | S | 6-N-acetyl-2-aminoadenine |
| amino acid | amino acid | CH ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| amino acid | amino acid | CH ₃ | S | 2-N-acetylaminoadenine |
| amino acid | amino acid | CH ₃ | S | 2-N-acetyl-amino-8-fluoroadenine |
| amino acid | amino acid | CH ₃ | S | 2-N-acetyl-amino-8-fluorohypoxanthine |
| amino acid | amino acid | CH ₃ | S | 2-N-acetylaminohypoxanthine |
| amino acid | H | CH ₃ | S | Thymine |
| amino acid | H | CH ₃ | S | Uracil |
| amino acid | H | CH ₃ | S | Guanine |
| amino acid | H | CH ₃ | S | Cytosine |
| amino acid | H | CH ₃ | S | Adenine |
| amino acid | H | CH ₃ | S | Hypoxanthine |
| amino acid | H | CH ₃ | S | 5-Fluorouracil |
| amino acid | H | CH ₃ | S | 8-Fluoroguanine |
| amino acid | H | CH ₃ | S | 5-Fluorocytosine |
| amino acid | H | CH ₃ | S | 8-Fluoroadenine |
| amino acid | H | CH ₃ | S | 2-Fluoroadenine |
| amino acid | H | CH ₃ | S | 2,8-Difluoroadenine |
| amino acid | H | CH ₃ | S | 2-Fluorohypoxanthine |
| amino acid | H | CH ₃ | S | 8-Fluorohypoxanthine |
| amino acid | H | CH ₃ | S | 2,8-Difluorohypoxanthine |
| amino acid | H | CH ₃ | S | 2-Aminoadenine |
| amino acid | H | CH ₃ | S | 2-Amino-8-fluoroadenine |
| amino acid | H | CH ₃ | S | 2-Amino-8-fluorohypoxanthine |
| amino acid | H | CH ₃ | S | 2-Aminohypoxanthine |
| amino acid | H | CH ₃ | S | 2-N-acetylguanine |

| R ² | R ³ | R ⁶ | X | Base |
|----------------|----------------|-----------------|---|--------------------------------------|
| amino acid | H | CH ₃ | S | 4-N-acetylcytosine |
| amino acid | H | CH ₃ | S | 6-N-acetyladenine |
| amino acid | H | CH ₃ | S | 2-N-acetyl-8-fluoroguanine |
| amino acid | H | CH ₃ | S | 4-N-acetyl-5-fluorocytosine |
| amino acid | H | CH ₃ | S | 6-N-acetyl-2-fluoroadenine |
| amino acid | H | CH ₃ | S | 6-N-acetyl-2,8-difluoroadenine |
| amino acid | H | CH ₃ | S | 6-N-acetyl-2-aminoadenine |
| amino acid | H | CH ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| amino acid | H | CH ₃ | S | 2-N-acetylaminoadenine |
| amino acid | H | CH ₃ | S | 2-N-acetylamino-8-fluoroadenine |
| amino acid | H | CH ₃ | S | 2-N-acetylamino-8-fluorohypoxanthine |
| amino acid | H | CH ₃ | S | 2-N-acetylaminohypoxanthine |
| amino acid | acyl | CH ₃ | S | Thymine |
| amino acid | acyl | CH ₃ | S | Uracil |
| amino acid | acyl | CH ₃ | S | Guanine |
| amino acid | acyl | CH ₃ | S | Cytosine |
| amino acid | acyl | CH ₃ | S | Adenine |
| amino acid | acyl | CH ₃ | S | Hypoxanthine |
| amino acid | acyl | CH ₃ | S | 5-Fluorouracil |
| amino acid | acyl | CH ₃ | S | 8-Fluoroguanine |
| amino acid | acyl | CH ₃ | S | 5-Fluorocytosine |
| amino acid | acyl | CH ₃ | S | 8-Fluoroadenine |
| amino acid | acyl | CH ₃ | S | 2-Fluoroadenine |
| amino acid | acyl | CH ₃ | S | 2,8-Difluoroadenine |
| amino acid | acyl | CH ₃ | S | 2-Fluorohypoxanthine |
| amino acid | acyl | CH ₃ | S | 8-Fluorohypoxanthine |
| amino acid | acyl | CH ₃ | S | 2,8-Difluorohypoxanthine |
| amino acid | acyl | CH ₃ | S | 2-Aminoadenine |
| amino acid | acyl | CH ₃ | S | 2-Amino-8-fluoroadenine |
| amino acid | acyl | CH ₃ | S | 2-Amino-8-fluorohypoxanthine |
| amino acid | acyl | CH ₃ | S | 2-Aminohypoxanthine |
| amino acid | acyl | CH ₃ | S | 2-N-acetylguanine |
| amino acid | acyl | CH ₃ | S | 4-N-acetylcytosine |
| amino acid | acyl | CH ₃ | S | 6-N-acetyladenine |
| amino acid | acyl | CH ₃ | S | 2-N-acetyl-8-fluoroguanine |
| amino acid | acyl | CH ₃ | S | 4-N-acetyl-5-fluorocytosine |
| amino acid | acyl | CH ₃ | S | 6-N-acetyl-2-fluoroadenine |
| amino acid | acyl | CH ₃ | S | 6-N-acetyl-2,8-difluoroadenine |
| amino acid | acyl | CH ₃ | S | 6-N-acetyl-2-aminoadenine |
| amino acid | acyl | CH ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| amino acid | acyl | CH ₃ | S | 2-N-acetylaminoadenine |
| amino acid | acyl | CH ₃ | S | 2-N-acetylamino-8-fluoroadenine |
| amino acid | acyl | CH ₃ | S | 2-N-acetylamino-8-fluorohypoxanthine |
| amino acid | acyl | CH ₃ | S | 2-N-acetylaminohypoxanthine |
| acyl | H | CF ₃ | S | Thymine |
| acyl | H | CF ₃ | S | Uracil |
| acyl | H | CF ₃ | S | Guanine |

| R ² | R ³ | R ⁶ | X | Base |
|----------------|----------------|-----------------|---|---------------------------------------|
| acyl | H | CF ₃ | S | Cytosine |
| acyl | H | CF ₃ | S | Adenine |
| acyl | H | CF ₃ | S | Hypoxanthine |
| acyl | H | CF ₃ | S | 5-Fluorouracil |
| acyl | H | CF ₃ | S | 8-Fluoroguanine |
| acyl | H | CF ₃ | S | 5-Fluorocytosine |
| acyl | H | CF ₃ | S | 8-Fluoroadenine |
| acyl | H | CF ₃ | S | 2-Fluoroadenine |
| acyl | H | CF ₃ | S | 2,8-Difluoroadenine |
| acyl | H | CF ₃ | S | 2-Fluorohypoxanthine |
| acyl | H | CF ₃ | S | 8-Fluorohypoxanthine |
| acyl | H | CF ₃ | S | 2,8-Difluorohypoxanthine |
| acyl | H | CF ₃ | S | 2-Aminoadenine |
| acyl | H | CF ₃ | S | 2-Amino-8-fluoroadenine |
| acyl | H | CF ₃ | S | 2-Amino-8-fluorohypoxanthine |
| acyl | H | CF ₃ | S | 2-Aminohypoxanthine |
| acyl | H | CF ₃ | S | 2-N-acetylguanine |
| acyl | H | CF ₃ | S | 4-N-acetylcytosine |
| acyl | H | CF ₃ | S | 6-N-acetylguanine |
| acyl | H | CF ₃ | S | 2-N-acetyl-8-fluoroguanine |
| acyl | H | CF ₃ | S | 4-N-acetyl-5-fluorocytosine |
| acyl | H | CF ₃ | S | 6-N-acetyl-2-fluoroadenine |
| acyl | H | CF ₃ | S | 6-N-acetyl-2,8-difluoroadenine |
| acyl | H | CF ₃ | S | 6-N-acetyl-2-aminoadenine |
| acyl | H | CF ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| acyl | H | CF ₃ | S | 2-N-acetylaminoadenine |
| acyl | H | CF ₃ | S | 2-N-acetyl-amino-8-fluoroadenine |
| acyl | H | CF ₃ | S | 2-N-acetyl-amino-8-fluorohypoxanthine |
| acyl | H | CF ₃ | S | 2-N-acetylaminohypoxanthine |
| acyl | acyl | CF ₃ | S | Thymine |
| acyl | acyl | CF ₃ | S | Uracil |
| acyl | acyl | CF ₃ | S | Guanine |
| acyl | acyl | CF ₃ | S | Cytosine |
| acyl | acyl | CF ₃ | S | Adenine |
| acyl | acyl | CF ₃ | S | Hypoxanthine |
| acyl | acyl | CF ₃ | S | 5-Fluorouracil |
| acyl | acyl | CF ₃ | S | 8-Fluoroguanine |
| acyl | acyl | CF ₃ | S | 5-Fluorocytosine |
| acyl | acyl | CF ₃ | S | 8-Fluoroadenine |
| acyl | acyl | CF ₃ | S | 2-Fluoroadenine |
| acyl | acyl | CF ₃ | S | 2,8-Difluoroadenine |
| acyl | acyl | CF ₃ | S | 2-Fluorohypoxanthine |
| acyl | acyl | CF ₃ | S | 8-Fluorohypoxanthine |
| acyl | acyl | CF ₃ | S | 2,8-Difluorohypoxanthine |
| acyl | acyl | CF ₃ | S | 2-Aminoadenine |
| acyl | acyl | CF ₃ | S | 2-Amino-8-fluoroadenine |
| acyl | acyl | CF ₃ | S | 2-Amino-8-fluorohypoxanthine |

| R ² | R ³ | R ⁶ | X | Base |
|----------------|----------------|-----------------|---|---------------------------------------|
| acyl | acyl | CF ₃ | S | 2-Aminohypoxanthine |
| acyl | acyl | CF ₃ | S | 2-N-acetylguanine |
| acyl | acyl | CF ₃ | S | 4-N-acetylcytosine |
| acyl | acyl | CF ₃ | S | 6-N-acetyladenine |
| acyl | acyl | CF ₃ | S | 2-N-acetyl-8-fluoroguanine |
| acyl | acyl | CF ₃ | S | 4-N-acetyl-5-fluorocytosine |
| acyl | acyl | CF ₃ | S | 6-N-acetyl-2-fluoroadenine |
| acyl | acyl | CF ₃ | S | 6-N-acetyl-2,8-difluoroadenine |
| acyl | acyl | CF ₃ | S | 6-N-acetyl-2-aminoadenine |
| acyl | acyl | CF ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| acyl | acyl | CF ₃ | S | 2-N-acetylaminoadenine |
| acyl | acyl | CF ₃ | S | 2-N-acetyl-amino-8-fluoroadenine |
| acyl | acyl | CF ₃ | S | 2-N-acetyl-amino-8-fluorohypoxanthine |
| acyl | acyl | CF ₃ | S | 2-N-acetylaminohypoxanthine |
| acyl | amino acid | CF ₃ | S | Thymine |
| acyl | amino acid | CF ₃ | S | Uracil |
| acyl | amino acid | CF ₃ | S | Guanine |
| acyl | amino acid | CF ₃ | S | Cytosine |
| acyl | amino acid | CF ₃ | S | Adenine |
| acyl | amino acid | CF ₃ | S | Hypoxanthine |
| acyl | amino acid | CF ₃ | S | 5-Fluorouracil |
| acyl | amino acid | CF ₃ | S | 8-Fluoroguanine |
| acyl | amino acid | CF ₃ | S | 5-Fluorocytosine |
| acyl | amino acid | CF ₃ | S | 8-Fluoroadenine |
| acyl | amino acid | CF ₃ | S | 2-Fluoroadenine |
| acyl | amino acid | CF ₃ | S | 2,8-Difluoroadenine |
| acyl | amino acid | CF ₃ | S | 2-Fluorohypoxanthine |
| acyl | amino acid | CF ₃ | S | 8-Fluorohypoxanthine |
| acyl | amino acid | CF ₃ | S | 2,8-Difluorohypoxanthine |
| acyl | amino acid | CF ₃ | S | 2-Aminoadenine |
| acyl | amino acid | CF ₃ | S | 2-Amino-8-fluoroadenine |
| acyl | amino acid | CF ₃ | S | 2-Amino-8-fluorohypoxanthine |
| acyl | amino acid | CF ₃ | S | 2-Aminohypoxanthine |
| acyl | amino acid | CF ₃ | S | 2-N-acetylguanine |
| acyl | amino acid | CF ₃ | S | 4-N-acetylcytosine |
| acyl | amino acid | CF ₃ | S | 6-N-acetyladenine |
| acyl | amino acid | CF ₃ | S | 2-N-acetyl-8-fluoroguanine |
| acyl | amino acid | CF ₃ | S | 4-N-acetyl-5-fluorocytosine |
| acyl | amino acid | CF ₃ | S | 6-N-acetyl-2-fluoroadenine |
| acyl | amino acid | CF ₃ | S | 6-N-acetyl-2,8-difluoroadenine |
| acyl | amino acid | CF ₃ | S | 6-N-acetyl-2-aminoadenine |
| acyl | amino acid | CF ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| acyl | amino acid | CF ₃ | S | 2-N-acetylaminoadenine |
| acyl | amino acid | CF ₃ | S | 2-N-acetyl-amino-8-fluoroadenine |
| acyl | amino acid | CF ₃ | S | 2-N-acetyl-amino-8-fluorohypoxanthine |
| acyl | amino acid | CF ₃ | S | 2-N-acetylaminohypoxanthine |
| H | acyl | CF ₃ | S | Thymine |

| R ² | R ³ | R ⁶ | X | Base |
|----------------|----------------|-----------------|---|--------------------------------------|
| H | acyl | CF ₃ | S | Uracil |
| H | acyl | CF ₃ | S | Guanine |
| H | acyl | CF ₃ | S | Cytosine |
| H | acyl | CF ₃ | S | Adenine |
| H | acyl | CF ₃ | S | Hypoxanthine |
| H | acyl | CF ₃ | S | 5-Fluorouracil |
| H | acyl | CF ₃ | S | 8-Fluoroguanine |
| H | acyl | CF ₃ | S | 5-Fluorocytosine |
| H | acyl | CF ₃ | S | 8-Fluoroadenine |
| H | acyl | CF ₃ | S | 2-Fluoroadenine |
| H | acyl | CF ₃ | S | 2,8-Difluoroadenine |
| H | acyl | CF ₃ | S | 2-Fluorohypoxanthine |
| H | acyl | CF ₃ | S | 8-Fluorohypoxanthine |
| H | acyl | CF ₃ | S | 2,8-Difluorohypoxanthine |
| H | acyl | CF ₃ | S | 2-Aminoadenine |
| H | acyl | CF ₃ | S | 2-Amino-8-fluoroadenine |
| H | acyl | CF ₃ | S | 2-Amino-8-fluorohypoxanthine |
| H | acyl | CF ₃ | S | 2-Aminohypoxanthine |
| H | acyl | CF ₃ | S | 2-N-acetylguanine |
| H | acyl | CF ₃ | S | 4-N-acetylcytosine |
| H | acyl | CF ₃ | S | 6-N-acetyladenine |
| H | acyl | CF ₃ | S | 2-N-acetyl-8-fluoroguanine |
| H | acyl | CF ₃ | S | 4-N-acetyl-5-fluorocytosine |
| H | acyl | CF ₃ | S | 6-N-acetyl-2-fluoroadenine |
| H | acyl | CF ₃ | S | 6-N-acetyl-2,8-difluoroadenine |
| H | acyl | CF ₃ | S | 6-N-acetyl-2-aminoadenine |
| H | acyl | CF ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| H | acyl | CF ₃ | S | 2-N-acetylaminoadenine |
| H | acyl | CF ₃ | S | 2-N-acetylamino-8-fluoroadenine |
| H | acyl | CF ₃ | S | 2-N-acetylamino-8-fluorohypoxanthine |
| H | acyl | CF ₃ | S | 2-N-acetylaminohypoxanthine |
| H | amino acid | CF ₃ | S | Thymine |
| H | amino acid | CF ₃ | S | Uracil |
| H | amino acid | CF ₃ | S | Guanine |
| H | amino acid | CF ₃ | S | Cytosine |
| H | amino acid | CF ₃ | S | Adenine |
| H | amino acid | CF ₃ | S | Hypoxanthine |
| H | amino acid | CF ₃ | S | 5-Fluorouracil |
| H | amino acid | CF ₃ | S | 8-Fluoroguanine |
| H | amino acid | CF ₃ | S | 5-Fluorocytosine |
| H | amino acid | CF ₃ | S | 8-Fluoroadenine |
| H | amino acid | CF ₃ | S | 2-Fluoroadenine |
| H | amino acid | CF ₃ | S | 2,8-Difluoroadenine |
| H | amino acid | CF ₃ | S | 2-Fluorohypoxanthine |
| H | amino acid | CF ₃ | S | 8-Fluorohypoxanthine |
| H | amino acid | CF ₃ | S | 2,8-Difluorohypoxanthine |
| H | amino acid | CF ₃ | S | 2-Aminoadenine |

| R ² | R ³ | R ⁶ | X | Base |
|----------------|----------------|-----------------|---|--------------------------------------|
| H | amino acid | CF ₃ | S | 2-Amino-8-fluoroadenine |
| H | amino acid | CF ₃ | S | 2-Amino-8-fluorohypoxanthine |
| H | amino acid | CF ₃ | S | 2-Aminohypoxanthine |
| H | amino acid | CF ₃ | S | 2-N-acetylguanine |
| H | amino acid | CF ₃ | S | 4-N-acetylcytosine |
| H | amino acid | CF ₃ | S | 6-N-acetyladenine |
| H | amino acid | CF ₃ | S | 2-N-acetyl-8-fluoroguanine |
| H | amino acid | CF ₃ | S | 4-N-acetyl-5-fluorocytosine |
| H | amino acid | CF ₃ | S | 6-N-acetyl-2-fluoroadenine |
| H | amino acid | CF ₃ | S | 6-N-acetyl-2,8-difluoroadenine |
| H | amino acid | CF ₃ | S | 6-N-acetyl-2-aminoadenine |
| H | amino acid | CF ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| H | amino acid | CF ₃ | S | 2-N-acetylaminoadenine |
| H | amino acid | CF ₃ | S | 2-N-acetylamino-8-fluoroadenine |
| H | amino acid | CF ₃ | S | 2-N-acetylamino-8-fluorohypoxanthine |
| H | amino acid | CF ₃ | S | 2-N-acetylaminohypoxanthine |
| amino acid | amino acid | CF ₃ | S | Thymine |
| amino acid | amino acid | CF ₃ | S | Uracil |
| amino acid | amino acid | CF ₃ | S | Guanine |
| amino acid | amino acid | CF ₃ | S | Cytosine |
| amino acid | amino acid | CF ₃ | S | Adenine |
| amino acid | amino acid | CF ₃ | S | Hypoxanthine |
| amino acid | amino acid | CF ₃ | S | 5-Fluorouracil |
| amino acid | amino acid | CF ₃ | S | 8-Fluoroguanine |
| amino acid | amino acid | CF ₃ | S | 5-Fluorocytosine |
| amino acid | amino acid | CF ₃ | S | 8-Fluoroadenine |
| amino acid | amino acid | CF ₃ | S | 2-Fluoroadenine |
| amino acid | amino acid | CF ₃ | S | 2,8-Difluoroadenine |
| amino acid | amino acid | CF ₃ | S | 2-Fluorohypoxanthine |
| amino acid | amino acid | CF ₃ | S | 8-Fluorohypoxanthine |
| amino acid | amino acid | CF ₃ | S | 2,8-Difluorohypoxanthine |
| amino acid | amino acid | CF ₃ | S | 2-Aminoadenine |
| amino acid | amino acid | CF ₃ | S | 2-Amino-8-fluoroadenine |
| amino acid | amino acid | CF ₃ | S | 2-Amino-8-fluorohypoxanthine |
| amino acid | amino acid | CF ₃ | S | 2-Aminohypoxanthine |
| amino acid | amino acid | CF ₃ | S | 2-N-acetylguanine |
| amino acid | amino acid | CF ₃ | S | 4-N-acetylcytosine |
| amino acid | amino acid | CF ₃ | S | 6-N-acetyladenine |
| amino acid | amino acid | CF ₃ | S | 2-N-acetyl-8-fluoroguanine |
| amino acid | amino acid | CF ₃ | S | 4-N-acetyl-5-fluorocytosine |
| amino acid | amino acid | CF ₃ | S | 6-N-acetyl-2-fluoroadenine |
| amino acid | amino acid | CF ₃ | S | 6-N-acetyl-2,8-difluoroadenine |
| amino acid | amino acid | CF ₃ | S | 6-N-acetyl-2-aminoadenine |
| amino acid | amino acid | CF ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| amino acid | amino acid | CF ₃ | S | 2-N-acetylaminoadenine |
| amino acid | amino acid | CF ₃ | S | 2-N-acetylamino-8-fluoroadenine |
| amino acid | amino acid | CF ₃ | S | 2-N-acetylamino-8-fluorohypoxanthine |

| R ² | R ³ | R ⁶ | X | Base |
|----------------|----------------|-----------------|---|---------------------------------------|
| amino acid | amino acid | CF ₃ | S | 2-N-acetylaminohypoxanthine |
| amino acid | H | CF ₃ | S | Thymine |
| amino acid | H | CF ₃ | S | Uracil |
| amino acid | H | CF ₃ | S | Guanine |
| amino acid | H | CF ₃ | S | Cytosine |
| amino acid | H | CF ₃ | S | Adenine |
| amino acid | H | CF ₃ | S | Hypoxanthine |
| amino acid | H | CF ₃ | S | 5-Fluorouracil |
| amino acid | H | CF ₃ | S | 8-Fluoroguanine |
| amino acid | H | CF ₃ | S | 5-Fluorocytosine |
| amino acid | H | CF ₃ | S | 8-Fluoroadenine |
| amino acid | H | CF ₃ | S | 2-Fluoroadenine |
| amino acid | H | CF ₃ | S | 2,8-Difluoroadenine |
| amino acid | H | CF ₃ | S | 2-Fluorohypoxanthine |
| amino acid | H | CF ₃ | S | 8-Fluorohypoxanthine |
| amino acid | H | CF ₃ | S | 2,8-Difluorohypoxanthine |
| amino acid | H | CF ₃ | S | 2-Aminoadenine |
| amino acid | H | CF ₃ | S | 2-Amino-8-fluoroadenine |
| amino acid | H | CF ₃ | S | 2-Amino-8-fluorohypoxanthine |
| amino acid | H | CF ₃ | S | 2-Aminohypoxanthine |
| amino acid | H | CF ₃ | S | 2-N-acetylguanine |
| amino acid | H | CF ₃ | S | 4-N-acetylcytosine |
| amino acid | H | CF ₃ | S | 6-N-acetyladenine |
| amino acid | H | CF ₃ | S | 2-N-acetyl-8-fluoroguanine |
| amino acid | H | CF ₃ | S | 4-N-acetyl-5-fluorocytosine |
| amino acid | H | CF ₃ | S | 6-N-acetyl-2-fluoroadenine |
| amino acid | H | CF ₃ | S | 6-N-acetyl-2,8-difluoroadenine |
| amino acid | H | CF ₃ | S | 6-N-acetyl-2-aminoadenine |
| amino acid | H | CF ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| amino acid | H | CF ₃ | S | 2-N-acetylaminoadenine |
| amino acid | H | CF ₃ | S | 2-N-acetyl-amino-8-fluoroadenine |
| amino acid | H | CF ₃ | S | 2-N-acetyl-amino-8-fluorohypoxanthine |
| amino acid | H | CF ₃ | S | 2-N-acetylaminohypoxanthine |
| amino acid | acyl | CF ₃ | S | Thymine |
| amino acid | acyl | CF ₃ | S | Uracil |
| amino acid | acyl | CF ₃ | S | Guanine |
| amino acid | acyl | CF ₃ | S | Cytosine |
| amino acid | acyl | CF ₃ | S | Adenine |
| amino acid | acyl | CF ₃ | S | Hypoxanthine |
| amino acid | acyl | CF ₃ | S | 5-Fluorouracil |
| amino acid | acyl | CF ₃ | S | 8-Fluoroguanine |
| amino acid | acyl | CF ₃ | S | 5-Fluorocytosine |
| amino acid | acyl | CF ₃ | S | 8-Fluoroadenine |
| amino acid | acyl | CF ₃ | S | 2-Fluoroadenine |
| amino acid | acyl | CF ₃ | S | 2,8-Difluoroadenine |
| amino acid | acyl | CF ₃ | S | 2-Fluorohypoxanthine |
| amino acid | acyl | CF ₃ | S | 8-Fluorohypoxanthine |

| R ² | R ³ | R ⁶ | X | Base |
|----------------|----------------|-----------------|---|--------------------------------------|
| amino acid | acyl | CF ₃ | S | 2,8-Difluorohypoxanthine |
| amino acid | acyl | CF ₃ | S | 2-Aminoadenine |
| amino acid | acyl | CF ₃ | S | 2-Amino-8-fluoroadenine |
| amino acid | acyl | CF ₃ | S | 2-Amino-8-fluorohypoxanthine |
| amino acid | acyl | CF ₃ | S | 2-Aminohypoxanthine |
| amino acid | acyl | CF ₃ | S | 2-N-acetylguanine |
| amino acid | acyl | CF ₃ | S | 4-N-acetylcytosine |
| amino acid | acyl | CF ₃ | S | 6-N-acetyladenine |
| amino acid | acyl | CF ₃ | S | 2-N-acetyl-8-fluoroguanine |
| amino acid | acyl | CF ₃ | S | 4-N-acetyl-5-fluorocytosine |
| amino acid | acyl | CF ₃ | S | 6-N-acetyl-2-fluoroadenine |
| amino acid | acyl | CF ₃ | S | 6-N-acetyl-2,8-difluoroadenine |
| amino acid | acyl | CF ₃ | S | 6-N-acetyl-2-aminoadenine |
| amino acid | acyl | CF ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| amino acid | acyl | CF ₃ | S | 2-N-acetylaminoadenine |
| amino acid | acyl | CF ₃ | S | 2-N-acetylamino-8-fluoroadenine |
| amino acid | acyl | CF ₃ | S | 2-N-acetylamino-8-fluorohypoxanthine |
| amino acid | acyl | CF ₃ | S | 2-N-acetylaminohypoxanthine |
| acyl | H | CF ₃ | O | Thymine |
| acyl | H | CF ₃ | O | Uracil |
| acyl | H | CF ₃ | O | Guanine |
| acyl | H | CF ₃ | O | Cytosine |
| acyl | H | CF ₃ | O | Adenine |
| acyl | H | CF ₃ | O | Hypoxanthine |
| acyl | H | CF ₃ | O | 5-Fluorouracil |
| acyl | H | CF ₃ | O | 8-Fluoroguanine |
| acyl | H | CF ₃ | O | 5-Fluorocytosine |
| acyl | H | CF ₃ | O | 8-Fluoroadenine |
| acyl | H | CF ₃ | O | 2-Fluoroadenine |
| acyl | H | CF ₃ | O | 2,8-Difluoroadenine |
| acyl | H | CF ₃ | O | 2-Fluorohypoxanthine |
| acyl | H | CF ₃ | O | 8-Fluorohypoxanthine |
| acyl | H | CF ₃ | O | 2,8-Difluorohypoxanthine |
| acyl | H | CF ₃ | O | 2-Aminoadenine |
| acyl | H | CF ₃ | O | 2-Amino-8-fluoroadenine |
| acyl | H | CF ₃ | O | 2-Amino-8-fluorohypoxanthine |
| acyl | H | CF ₃ | O | 2-Aminohypoxanthine |
| acyl | H | CF ₃ | O | 2-N-acetylguanine |
| acyl | H | CF ₃ | O | 4-N-acetylcytosine |
| acyl | H | CF ₃ | O | 6-N-acetyladenine |
| acyl | H | CF ₃ | O | 2-N-acetyl-8-fluoroguanine |
| acyl | H | CF ₃ | O | 4-N-acetyl-5-fluorocytosine |
| acyl | H | CF ₃ | O | 6-N-acetyl-2-fluoroadenine |
| acyl | H | CF ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| acyl | H | CF ₃ | O | 6-N-acetyl-2-aminoadenine |
| acyl | H | CF ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |
| acyl | H | CF ₃ | O | 2-N-acetylaminoadenine |

| R ² | R ³ | R ⁶ | X | Base |
|----------------|----------------|-----------------|---|--------------------------------------|
| acyl | H | CF ₃ | O | 2-N-acetylamino-8-fluoroadenine |
| acyl | H | CF ₃ | O | 2-N-acetylamino-8-fluorohypoxanthine |
| acyl | H | CF ₃ | O | 2-N-acetylaminohypoxanthine |
| acyl | acyl | CF ₃ | O | Thymine |
| acyl | acyl | CF ₃ | O | Uracil |
| acyl | acyl | CF ₃ | O | Guanine |
| acyl | acyl | CF ₃ | O | Cytosine |
| acyl | acyl | CF ₃ | O | Adenine |
| acyl | acyl | CF ₃ | O | Hypoxanthine |
| acyl | acyl | CF ₃ | O | 5-Fluorouracil |
| acyl | acyl | CF ₃ | O | 8-Fluoroguanine |
| acyl | acyl | CF ₃ | O | 5-Fluorocytosine |
| acyl | acyl | CF ₃ | O | 8-Fluoroadenine |
| acyl | acyl | CF ₃ | O | 2-Fluoroadenine |
| acyl | acyl | CF ₃ | O | 2,8-Difluoroadenine |
| acyl | acyl | CF ₃ | O | 2-Fluorohypoxanthine |
| acyl | acyl | CF ₃ | O | 8-Fluorohypoxanthine |
| acyl | acyl | CF ₃ | O | 2,8-Difluorohypoxanthine |
| acyl | acyl | CF ₃ | O | 2-Aminoadenine |
| acyl | acyl | CF ₃ | O | 2-Amino-8-fluoroadenine |
| acyl | acyl | CF ₃ | O | 2-Amino-8-fluorohypoxanthine |
| acyl | acyl | CF ₃ | O | 2-Aminohypoxanthine |
| acyl | acyl | CF ₃ | O | 2-N-acetylguanine |
| acyl | acyl | CF ₃ | O | 4-N-acetylcytosine |
| acyl | acyl | CF ₃ | O | 6-N-acetyladenine |
| acyl | acyl | CF ₃ | O | 2-N-acetyl-8-fluoroguanine |
| acyl | acyl | CF ₃ | O | 4-N-acetyl-5-fluorocytosine |
| acyl | acyl | CF ₃ | O | 6-N-acetyl-2-fluoroadenine |
| acyl | acyl | CF ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| acyl | acyl | CF ₃ | O | 6-N-acetyl-2-aminoadenine |
| acyl | acyl | CF ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |
| acyl | acyl | CF ₃ | O | 2-N-acetylaminoadenine |
| acyl | acyl | CF ₃ | O | 2-N-acetylamino-8-fluoroadenine |
| acyl | acyl | CF ₃ | O | 2-N-acetylamino-8-fluorohypoxanthine |
| acyl | acyl | CF ₃ | O | 2-N-acetylaminohypoxanthine |
| acyl | amino acid | CF ₃ | O | Thymine |
| acyl | amino acid | CF ₃ | O | Uracil |
| acyl | amino acid | CF ₃ | O | Guanine |
| acyl | amino acid | CF ₃ | O | Cytosine |
| acyl | amino acid | CF ₃ | O | Adenine |
| acyl | amino acid | CF ₃ | O | Hypoxanthine |
| acyl | amino acid | CF ₃ | O | 5-Fluorouracil |
| acyl | amino acid | CF ₃ | O | 8-Fluoroguanine |
| acyl | amino acid | CF ₃ | O | 5-Fluorocytosine |
| acyl | amino acid | CF ₃ | O | 8-Fluoroadenine |
| acyl | amino acid | CF ₃ | O | 2-Fluoroadenine |
| acyl | amino acid | CF ₃ | O | 2,8-Difluoroadenine |

| R ² | R ³ | R ⁶ | X | Base |
|----------------|----------------|-----------------|---|---------------------------------------|
| acyl | amino acid | CF ₃ | O | 2-Fluorohypoxanthine |
| acyl | amino acid | CF ₃ | O | 8-Fluorohypoxanthine |
| acyl | amino acid | CF ₃ | O | 2,8-Difluorohypoxanthine |
| acyl | amino acid | CF ₃ | O | 2-Aminoadenine |
| acyl | amino acid | CF ₃ | O | 2-Amino-8-fluoroadenine |
| acyl | amino acid | CF ₃ | O | 2-Amino-8-fluorohypoxanthine |
| acyl | amino acid | CF ₃ | O | 2-Aminohypoxanthine |
| acyl | amino acid | CF ₃ | O | 2-N-acetylguanine |
| acyl | amino acid | CF ₃ | O | 4-N-acetylcytosine |
| acyl | amino acid | CF ₃ | O | 6-N-acetyladenine |
| acyl | amino acid | CF ₃ | O | 2-N-acetyl-8-fluoroguanine |
| acyl | amino acid | CF ₃ | O | 4-N-acetyl-5-fluorocytosine |
| acyl | amino acid | CF ₃ | O | 6-N-acetyl-2-fluoroadenine |
| acyl | amino acid | CF ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| acyl | amino acid | CF ₃ | O | 6-N-acetyl-2-aminoadenine |
| acyl | amino acid | CF ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |
| acyl | amino acid | CF ₃ | O | 2-N-acetylaminoadenine |
| acyl | amino acid | CF ₃ | O | 2-N-acetyl-amino-8-fluoroadenine |
| acyl | amino acid | CF ₃ | O | 2-N-acetyl-amino-8-fluorohypoxanthine |
| acyl | amino acid | CF ₃ | O | 2-N-acetylaminohypoxanthine |
| H | acyl | CF ₃ | O | Thymine |
| H | acyl | CF ₃ | O | Uracil |
| H | acyl | CF ₃ | O | Guanine |
| H | acyl | CF ₃ | O | Cytosine |
| H | acyl | CF ₃ | O | Adenine |
| H | acyl | CF ₃ | O | Hypoxanthine |
| H | acyl | CF ₃ | O | 5-Fluorouracil |
| H | acyl | CF ₃ | O | 8-Fluoroguanine |
| H | acyl | CF ₃ | O | 5-Fluorocytosine |
| H | acyl | CF ₃ | O | 8-Fluoroadenine |
| H | acyl | CF ₃ | O | 2-Fluoroadenine |
| H | acyl | CF ₃ | O | 2,8-Difluoroadenine |
| H | acyl | CF ₃ | O | 2-Fluorohypoxanthine |
| H | acyl | CF ₃ | O | 8-Fluorohypoxanthine |
| H | acyl | CF ₃ | O | 2,8-Difluorohypoxanthine |
| H | acyl | CF ₃ | O | 2-Aminoadenine |
| H | acyl | CF ₃ | O | 2-Amino-8-fluoroadenine |
| H | acyl | CF ₃ | O | 2-Amino-8-fluorohypoxanthine |
| H | acyl | CF ₃ | O | 2-Aminohypoxanthine |
| H | acyl | CF ₃ | O | 2-N-acetylguanine |
| H | acyl | CF ₃ | O | 4-N-acetylcytosine |
| H | acyl | CF ₃ | O | 6-N-acetyladenine |
| H | acyl | CF ₃ | O | 2-N-acetyl-8-fluoroguanine |
| H | acyl | CF ₃ | O | 4-N-acetyl-5-fluorocytosine |
| H | acyl | CF ₃ | O | 6-N-acetyl-2-fluoroadenine |
| H | acyl | CF ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| H | acyl | CF ₃ | O | 6-N-acetyl-2-aminoadenine |

| R ² | R ³ | R ⁶ | X | Base |
|----------------|----------------|-----------------|---|---|
| H | acyl | CF ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |
| H | acyl | CF ₃ | O | 2-N-acetylaminoadenine |
| H | acyl | CF ₃ | O | 2-N-acetyl-2-amino-8-fluoroadenine |
| H | acyl | CF ₃ | O | 2-N-acetyl-2-amino-8-fluorohypoxanthine |
| H | acyl | CF ₃ | O | 2-N-acetylaminohypoxanthine |
| H | amino acid | CF ₃ | O | Thymine |
| H | amino acid | CF ₃ | O | Uracil |
| H | amino acid | CF ₃ | O | Guanine |
| H | amino acid | CF ₃ | O | Cytosine |
| H | amino acid | CF ₃ | O | Adenine |
| H | amino acid | CF ₃ | O | Hypoxanthine |
| H | amino acid | CF ₃ | O | 5-Fluorouracil |
| H | amino acid | CF ₃ | O | 8-Fluoroguanine |
| H | amino acid | CF ₃ | O | 5-Fluorocytosine |
| H | amino acid | CF ₃ | O | 8-Fluoroadenine |
| H | amino acid | CF ₃ | O | 2-Fluoroadenine |
| H | amino acid | CF ₃ | O | 2,8-Difluoroadenine |
| H | amino acid | CF ₃ | O | 2-Fluorohypoxanthine |
| H | amino acid | CF ₃ | O | 8-Fluorohypoxanthine |
| H | amino acid | CF ₃ | O | 2,8-Difluorohypoxanthine |
| H | amino acid | CF ₃ | O | 2-Aminoadenine |
| H | amino acid | CF ₃ | O | 2-Amino-8-fluoroadenine |
| H | amino acid | CF ₃ | O | 2-Amino-8-fluorohypoxanthine |
| H | amino acid | CF ₃ | O | 2-Aminohypoxanthine |
| H | amino acid | CF ₃ | O | 2-N-acetylguanine |
| H | amino acid | CF ₃ | O | 4-N-acetylcytosine |
| H | amino acid | CF ₃ | O | 6-N-acetyl-adenine |
| H | amino acid | CF ₃ | O | 2-N-acetyl-8-fluoroguanine |
| H | amino acid | CF ₃ | O | 4-N-acetyl-5-fluorocytosine |
| H | amino acid | CF ₃ | O | 6-N-acetyl-2-fluoroadenine |
| H | amino acid | CF ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| H | amino acid | CF ₃ | O | 6-N-acetyl-2-aminoadenine |
| H | amino acid | CF ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |
| H | amino acid | CF ₃ | O | 2-N-acetylaminoadenine |
| H | amino acid | CF ₃ | O | 2-N-acetyl-2-amino-8-fluoroadenine |
| H | amino acid | CF ₃ | O | 2-N-acetyl-2-amino-8-fluorohypoxanthine |
| H | amino acid | CF ₃ | O | 2-N-acetylaminohypoxanthine |
| amino acid | amino acid | CF ₃ | O | Thymine |
| amino acid | amino acid | CF ₃ | O | Uracil |
| amino acid | amino acid | CF ₃ | O | Guanine |
| amino acid | amino acid | CF ₃ | O | Cytosine |
| amino acid | amino acid | CF ₃ | O | Adenine |
| amino acid | amino acid | CF ₃ | O | Hypoxanthine |
| amino acid | amino acid | CF ₃ | O | 5-Fluorouracil |
| amino acid | amino acid | CF ₃ | O | 8-Fluoroguanine |
| amino acid | amino acid | CF ₃ | O | 5-Fluorocytosine |
| amino acid | amino acid | CF ₃ | O | 8-Fluoroadenine |

| R ² | R ³ | R ⁶ | X | Base |
|----------------|----------------|-----------------|---|---------------------------------------|
| amino acid | amino acid | CF ₃ | O | 2-Fluoroadenine |
| amino acid | amino acid | CF ₃ | O | 2,8-Difluoroadenine |
| amino acid | amino acid | CF ₃ | O | 2-Fluorohypoxanthine |
| amino acid | amino acid | CF ₃ | O | 8-Fluorohypoxanthine |
| amino acid | amino acid | CF ₃ | O | 2,8-Difluorohypoxanthine |
| amino acid | amino acid | CF ₃ | O | 2-Amino adenine |
| amino acid | amino acid | CF ₃ | O | 2-Amino-8-fluoroadenine |
| amino acid | amino acid | CF ₃ | O | 2-Amino-8-fluorohypoxanthine |
| amino acid | amino acid | CF ₃ | O | 2-Aminohypoxanthine |
| amino acid | amino acid | CF ₃ | O | 2-N-acetylguanine |
| amino acid | amino acid | CF ₃ | O | 4-N-acetylcytosine |
| amino acid | amino acid | CF ₃ | O | 6-N-acetyl adenine |
| amino acid | amino acid | CF ₃ | O | 2-N-acetyl-8-fluoroguanine |
| amino acid | amino acid | CF ₃ | O | 4-N-acetyl-5-fluorocytosine |
| amino acid | amino acid | CF ₃ | O | 6-N-acetyl-2-fluoroadenine |
| amino acid | amino acid | CF ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| amino acid | amino acid | CF ₃ | O | 6-N-acetyl-2-amino adenine |
| amino acid | amino acid | CF ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |
| amino acid | amino acid | CF ₃ | O | 2-N-acetyl amino adenine |
| amino acid | amino acid | CF ₃ | O | 2-N-acetyl amino-8-fluoroadenine |
| amino acid | amino acid | CF ₃ | O | 2-N-acetyl amino-8-fluorohypoxanthine |
| amino acid | amino acid | CF ₃ | O | 2-N-acetyl aminohypoxanthine |
| amino acid | H | CF ₃ | O | Thymine |
| amino acid | H | CF ₃ | O | Uracil |
| amino acid | H | CF ₃ | O | Guanine |
| amino acid | H | CF ₃ | O | Cytosine |
| amino acid | H | CF ₃ | O | Adenine |
| amino acid | H | CF ₃ | O | Hypoxanthine |
| amino acid | H | CF ₃ | O | 5-Fluorouracil |
| amino acid | H | CF ₃ | O | 8-Fluoroguanine |
| amino acid | H | CF ₃ | O | 5-Fluorocytosine |
| amino acid | H | CF ₃ | O | 8-Fluoroadenine |
| amino acid | H | CF ₃ | O | 2-Fluoroadenine |
| amino acid | H | CF ₃ | O | 2,8-Difluoroadenine |
| amino acid | H | CF ₃ | O | 2-Fluorohypoxanthine |
| amino acid | H | CF ₃ | O | 8-Fluorohypoxanthine |
| amino acid | H | CF ₃ | O | 2,8-Difluorohypoxanthine |
| amino acid | H | CF ₃ | O | 2-Amino adenine |
| amino acid | H | CF ₃ | O | 2-Amino-8-fluoroadenine |
| amino acid | H | CF ₃ | O | 2-Amino-8-fluorohypoxanthine |
| amino acid | H | CF ₃ | O | 2-Aminohypoxanthine |
| amino acid | H | CF ₃ | O | 2-N-acetylguanine |
| amino acid | H | CF ₃ | O | 4-N-acetylcytosine |
| amino acid | H | CF ₃ | O | 6-N-acetyl adenine |
| amino acid | H | CF ₃ | O | 2-N-acetyl-8-fluoroguanine |
| amino acid | H | CF ₃ | O | 4-N-acetyl-5-fluorocytosine |
| amino acid | H | CF ₃ | O | 6-N-acetyl-2-fluoroadenine |

| R ² | R ³ | R ⁶ | X | Base |
|----------------|----------------|-----------------|---|---------------------------------------|
| amino acid | H | CF ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| amino acid | H | CF ₃ | O | 6-N-acetyl-2-aminoadenine |
| amino acid | H | CF ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |
| amino acid | H | CF ₃ | O | 2-N-acetylaminoadenine |
| amino acid | H | CF ₃ | O | 2-N-acetyl-amino-8-fluoroadenine |
| amino acid | H | CF ₃ | O | 2-N-acetyl-amino-8-fluorohypoxanthine |
| amino acid | H | CF ₃ | O | 2-N-acetylaminohypoxanthine |
| amino acid | acyl | CF ₃ | O | Thymine |
| amino acid | acyl | CF ₃ | O | Uracil |
| amino acid | acyl | CF ₃ | O | Guanine |
| amino acid | acyl | CF ₃ | O | Cytosine |
| amino acid | acyl | CF ₃ | O | Adenine |
| amino acid | acyl | CF ₃ | O | Hypoxanthine |
| amino acid | acyl | CF ₃ | O | 5-Fluorouracil |
| amino acid | acyl | CF ₃ | O | 8-Fluoroguanine |
| amino acid | acyl | CF ₃ | O | 5-Fluorocytosine |
| amino acid | acyl | CF ₃ | O | 8-Fluoroadenine |
| amino acid | acyl | CF ₃ | O | 2-Fluoroadenine |
| amino acid | acyl | CF ₃ | O | 2,8-Difluoroadenine |
| amino acid | acyl | CF ₃ | O | 2-Fluorohypoxanthine |
| amino acid | acyl | CF ₃ | O | 8-Fluorohypoxanthine |
| amino acid | acyl | CF ₃ | O | 2,8-Difluorohypoxanthine |
| amino acid | acyl | CF ₃ | O | 2-Aminoadenine |
| amino acid | acyl | CF ₃ | O | 2-Amino-8-fluoroadenine |
| amino acid | acyl | CF ₃ | O | 2-Amino-8-fluorohypoxanthine |
| amino acid | acyl | CF ₃ | O | 2-Aminohypoxanthine |
| amino acid | acyl | CF ₃ | O | 2-N-acetylguanine |
| amino acid | acyl | CF ₃ | O | 4-N-acetylcytosine |
| amino acid | acyl | CF ₃ | O | 6-N-acetyl-adenine |
| amino acid | acyl | CF ₃ | O | 2-N-acetyl-8-fluoroguanine |
| amino acid | acyl | CF ₃ | O | 4-N-acetyl-5-fluorocytosine |
| amino acid | acyl | CF ₃ | O | 6-N-acetyl-2-fluoroadenine |
| amino acid | acyl | CF ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| amino acid | acyl | CF ₃ | O | 6-N-acetyl-2-aminoadenine |
| amino acid | acyl | CF ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |
| amino acid | acyl | CF ₃ | O | 2-N-acetylaminoadenine |
| amino acid | acyl | CF ₃ | O | 2-N-acetyl-amino-8-fluoroadenine |
| amino acid | acyl | CF ₃ | O | 2-N-acetyl-amino-8-fluorohypoxanthine |
| amino acid | acyl | CF ₃ | O | 2-N-acetylaminohypoxanthine |

Table 22

| R ² | R ⁶ | X | Base |
|----------------|-----------------|---|---------------------------------------|
| acyl | CH ₃ | O | Thymine |
| acyl | CH ₃ | O | Uracil |
| acyl | CH ₃ | O | Guanine |
| acyl | CH ₃ | O | Cytosine |
| acyl | CH ₃ | O | Adenine |
| acyl | CH ₃ | O | Hypoxanthine |
| acyl | CH ₃ | O | 5-Fluorouracil |
| acyl | CH ₃ | O | 8-Fluoroguanine |
| acyl | CH ₃ | O | 5-Fluorocytosine |
| acyl | CH ₃ | O | 8-Fluoroadenine |
| acyl | CH ₃ | O | 2-Fluoroadenine |
| acyl | CH ₃ | O | 2,8-Difluoroadenine |
| acyl | CH ₃ | O | 2-Fluorohypoxanthine |
| acyl | CH ₃ | O | 8-Fluorohypoxanthine |
| acyl | CH ₃ | O | 2,8-Difluorohypoxanthine |
| acyl | CH ₃ | O | 2-Aminoadenine |
| acyl | CH ₃ | O | 2-Amino-8-fluoroadenine |
| acyl | CH ₃ | O | 2-Amino-8-fluorohypoxanthine |
| acyl | CH ₃ | O | 2-Aminohypoxanthine |
| acyl | CH ₃ | O | 2-N-acetylguanine |
| acyl | CH ₃ | O | 4-N-acetylcytosine |
| acyl | CH ₃ | O | 6-N-acetylguanine |
| acyl | CH ₃ | O | 2-N-acetyl-8-fluoroguanine |
| acyl | CH ₃ | O | 4-N-acetyl-5-fluorocytosine |
| acyl | CH ₃ | O | 6-N-acetyl-2-fluoroadenine |
| acyl | CH ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| acyl | CH ₃ | O | 6-N-acetyl-2-aminoadenine |
| acyl | CH ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |
| acyl | CH ₃ | O | 2-N-acetylaminoadenine |
| acyl | CH ₃ | O | 2-N-acetyl-amino-8-fluoroadenine |
| acyl | CH ₃ | O | 2-N-acetyl-amino-8-fluorohypoxanthine |
| acyl | CH ₃ | O | 2-N-acetylaminohypoxanthine |
| amino acid | CH ₃ | O | Thymine |
| amino acid | CH ₃ | O | Uracil |
| amino acid | CH ₃ | O | Guanine |
| amino acid | CH ₃ | O | Cytosine |
| amino acid | CH ₃ | O | Adenine |
| amino acid | CH ₃ | O | Hypoxanthine |
| amino acid | CH ₃ | O | 5-Fluorouracil |
| amino acid | CH ₃ | O | 8-Fluoroguanine |
| amino acid | CH ₃ | O | 5-Fluorocytosine |
| amino acid | CH ₃ | O | 8-Fluoroadenine |
| amino acid | CH ₃ | O | 2-Fluoroadenine |
| amino acid | CH ₃ | O | 2,8-Difluoroadenine |

| R ² | R ⁶ | X | Base |
|----------------|-----------------|---|--------------------------------------|
| amino acid | CH ₃ | O | 2-Fluorohypoxanthine |
| amino acid | CH ₃ | O | 8-Fluorohypoxanthine |
| amino acid | CH ₃ | O | 2,8-Difluorohypoxanthine |
| amino acid | CH ₃ | O | 2-Aminoadenine |
| amino acid | CH ₃ | O | 2-Amino-8-fluoroadenine |
| amino acid | CH ₃ | O | 2-Amino-8-fluorohypoxanthine |
| amino acid | CH ₃ | O | 2-Aminohypoxanthine |
| amino acid | CH ₃ | O | 2-N-acetylguanine |
| amino acid | CH ₃ | O | 4-N-acetylcytosine |
| amino acid | CH ₃ | O | 6-N-acetyladenine |
| amino acid | CH ₃ | O | 2-N-acetyl-8-fluoroguanine |
| amino acid | CH ₃ | O | 4-N-acetyl-5-fluorocytosine |
| amino acid | CH ₃ | O | 6-N-acetyl-2-fluoroadenine |
| amino acid | CH ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| amino acid | CH ₃ | O | 6-N-acetyl-2-aminoadenine |
| amino acid | CH ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |
| amino acid | CH ₃ | O | 2-N-acetylaminoadenine |
| amino acid | CH ₃ | O | 2-N-acetylamino-8-fluoroadenine |
| amino acid | CH ₃ | O | 2-N-acetylamino-8-fluorohypoxanthine |
| amino acid | CH ₃ | O | 2-N-acetylaminohypoxanthine |
| acyl | CH ₃ | S | Thymine |
| acyl | CH ₃ | S | Uracil |
| acyl | CH ₃ | S | Guanine |
| acyl | CH ₃ | S | Cytosine |
| acyl | CH ₃ | S | Adenine |
| acyl | CH ₃ | S | Hypoxanthine |
| acyl | CH ₃ | S | 5-Fluorouracil |
| acyl | CH ₃ | S | 8-Fluoroguanine |
| acyl | CH ₃ | S | 5-Fluorocytosine |
| acyl | CH ₃ | S | 8-Fluoroadenine |
| acyl | CH ₃ | S | 2-Fluoroadenine |
| acyl | CH ₃ | S | 2,8-Difluoroadenine |
| acyl | CH ₃ | S | 2-Fluorohypoxanthine |
| acyl | CH ₃ | S | 8-Fluorohypoxanthine |
| acyl | CH ₃ | S | 2,8-Difluorohypoxanthine |
| acyl | CH ₃ | S | 2-Aminoadenine |
| acyl | CH ₃ | S | 2-Amino-8-fluoroadenine |
| acyl | CH ₃ | S | 2-Amino-8-fluorohypoxanthine |
| acyl | CH ₃ | S | 2-Aminohypoxanthine |
| acyl | CH ₃ | S | 2-N-acetylguanine |
| acyl | CH ₃ | S | 4-N-acetylcytosine |
| acyl | CH ₃ | S | 6-N-acetyladenine |
| acyl | CH ₃ | S | 2-N-acetyl-8-fluoroguanine |
| acyl | CH ₃ | S | 4-N-acetyl-5-fluorocytosine |
| acyl | CH ₃ | S | 6-N-acetyl-2-fluoroadenine |
| acyl | CH ₃ | S | 6-N-acetyl-2,8-difluoroadenine |

| R ² | R ⁶ | X | Base |
|----------------|-----------------|---|---------------------------------------|
| acyl | CH ₃ | S | 6-N-acetyl-2-aminoadenine |
| acyl | CH ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| acyl | CH ₃ | S | 2-N-acetylaminoadenine |
| acyl | CH ₃ | S | 2-N-acetyl-amino-8-fluoroadenine |
| acyl | CH ₃ | S | 2-N-acetyl-amino-8-fluorohypoxanthine |
| acyl | CH ₃ | S | 2-N-acetylaminohypoxanthine |
| amino acid | CH ₃ | S | Thymine |
| amino acid | CH ₃ | S | Uracil |
| amino acid | CH ₃ | S | Guanine |
| amino acid | CH ₃ | S | Cytosine |
| amino acid | CH ₃ | S | Adenine |
| amino acid | CH ₃ | S | Hypoxanthine |
| amino acid | CH ₃ | S | 5-Fluorouracil |
| amino acid | CH ₃ | S | 8-Fluoroguanine |
| amino acid | CH ₃ | S | 5-Fluorocytosine |
| amino acid | CH ₃ | S | 8-Fluoroadenine |
| amino acid | CH ₃ | S | 2-Fluoroadenine |
| amino acid | CH ₃ | S | 2,8-Difluoroadenine |
| amino acid | CH ₃ | S | 2-Fluorohypoxanthine |
| amino acid | CH ₃ | S | 8-Fluorohypoxanthine |
| amino acid | CH ₃ | S | 2,8-Difluorohypoxanthine |
| amino acid | CH ₃ | S | 2-Aminoadenine |
| amino acid | CH ₃ | S | 2-Amino-8-fluoroadenine |
| amino acid | CH ₃ | S | 2-Amino-8-fluorohypoxanthine |
| amino acid | CH ₃ | S | 2-Aminohypoxanthine |
| amino acid | CH ₃ | S | 2-N-acetylguanine |
| amino acid | CH ₃ | S | 4-N-acetylcytosine |
| amino acid | CH ₃ | S | 6-N-acetyladenine |
| amino acid | CH ₃ | S | 2-N-acetyl-8-fluoroguanine |
| amino acid | CH ₃ | S | 4-N-acetyl-5-fluorocytosine |
| amino acid | CH ₃ | S | 6-N-acetyl-2-fluoroadenine |
| amino acid | CH ₃ | S | 6-N-acetyl-2,8-difluoroadenine |
| amino acid | CH ₃ | S | 6-N-acetyl-2-aminoadenine |
| amino acid | CH ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| amino acid | CH ₃ | S | 2-N-acetylaminoadenine |
| amino acid | CH ₃ | S | 2-N-acetyl-amino-8-fluoroadenine |
| amino acid | CH ₃ | S | 2-N-acetyl-amino-8-fluorohypoxanthine |
| amino acid | CH ₃ | S | 2-N-acetylaminohypoxanthine |
| acyl | CF ₃ | O | Thymine |
| acyl | CF ₃ | O | Uracil |
| acyl | CF ₃ | O | Guanine |
| acyl | CF ₃ | O | Cytosine |
| acyl | CF ₃ | O | Adenine |
| acyl | CF ₃ | O | Hypoxanthine |
| acyl | CF ₃ | O | 5-Fluorouracil |
| acyl | CF ₃ | O | 8-Fluoroguanine |

| R ² | R ⁶ | X | Base |
|----------------|-----------------|---|---------------------------------------|
| acyl | CF ₃ | O | 5-Fluorocytosine |
| acyl | CF ₃ | O | 8-Fluoroadenine |
| acyl | CF ₃ | O | 2-Fluoroadenine |
| acyl | CF ₃ | O | 2,8-Difluoroadenine |
| acyl | CF ₃ | O | 2-Fluorohypoxanthine |
| acyl | CF ₃ | O | 8-Fluorohypoxanthine |
| acyl | CF ₃ | O | 2,8-Difluorohypoxanthine |
| acyl | CF ₃ | O | 2-Aminoadenine |
| acyl | CF ₃ | O | 2-Amino-8-fluoroadenine |
| acyl | CF ₃ | O | 2-Amino-8-fluorohypoxanthine |
| acyl | CF ₃ | O | 2-Aminohypoxanthine |
| acyl | CF ₃ | O | 2-N-acetylguanine |
| acyl | CF ₃ | O | 4-N-acetylcytosine |
| acyl | CF ₃ | O | 6-N-acetyladenine |
| acyl | CF ₃ | O | 2-N-acetyl-8-fluoroguanine |
| acyl | CF ₃ | O | 4-N-acetyl-5-fluorocytosine |
| acyl | CF ₃ | O | 6-N-acetyl-2-fluoroadenine |
| acyl | CF ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| acyl | CF ₃ | O | 6-N-acetyl-2-aminoadenine |
| acyl | CF ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |
| acyl | CF ₃ | O | 2-N-acetylaminoadenine |
| acyl | CF ₃ | O | 2-N-acetyl-amino-8-fluoroadenine |
| acyl | CF ₃ | O | 2-N-acetyl-amino-8-fluorohypoxanthine |
| acyl | CF ₃ | O | 2-N-acetylaminohypoxanthine |
| amino acid | CF ₃ | O | Thymine |
| amino acid | CF ₃ | O | Uracil |
| amino acid | CF ₃ | O | Guanine |
| amino acid | CF ₃ | O | Cytosine |
| amino acid | CF ₃ | O | Adenine |
| amino acid | CF ₃ | O | Hypoxanthine |
| amino acid | CF ₃ | O | 5-Fluorouracil |
| amino acid | CF ₃ | O | 8-Fluoroguanine |
| amino acid | CF ₃ | O | 5-Fluorocytosine |
| amino acid | CF ₃ | O | 8-Fluoroadenine |
| amino acid | CF ₃ | O | 2-Fluoroadenine |
| amino acid | CF ₃ | O | 2,8-Difluoroadenine |
| amino acid | CF ₃ | O | 2-Fluorohypoxanthine |
| amino acid | CF ₃ | O | 8-Fluorohypoxanthine |
| amino acid | CF ₃ | O | 2,8-Difluorohypoxanthine |
| amino acid | CF ₃ | O | 2-Aminoadenine |
| amino acid | CF ₃ | O | 2-Amino-8-fluoroadenine |
| amino acid | CF ₃ | O | 2-Amino-8-fluorohypoxanthine |
| amino acid | CF ₃ | O | 2-Aminohypoxanthine |
| amino acid | CF ₃ | O | 2-N-acetylguanine |
| amino acid | CF ₃ | O | 4-N-acetylcytosine |
| amino acid | CF ₃ | O | 6-N-acetyladenine |

| R ² | R ⁶ | X | Base |
|----------------|-----------------|---|---------------------------------------|
| amino acid | CF ₃ | O | 2-N-acetyl-8-fluoroguanine |
| amino acid | CF ₃ | O | 4-N-acetyl-5-fluorocytosine |
| amino acid | CF ₃ | O | 6-N-acetyl-2-fluoroadenine |
| amino acid | CF ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| amino acid | CF ₃ | O | 6-N-acetyl-2-aminoadenine |
| amino acid | CF ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |
| amino acid | CF ₃ | O | 2-N-acetylaminoadenine |
| amino acid | CF ₃ | O | 2-N-acetyl-amino-8-fluoroadenine |
| amino acid | CF ₃ | O | 2-N-acetyl-amino-8-fluorohypoxanthine |
| amino acid | CF ₃ | O | 2-N-acetylaminohypoxanthine |
| acyl | CF ₃ | S | Thymine |
| acyl | CF ₃ | S | Uracil |
| acyl | CF ₃ | S | Guanine |
| acyl | CF ₃ | S | Cytosine |
| acyl | CF ₃ | S | Adenine |
| acyl | CF ₃ | S | Hypoxanthine |
| acyl | CF ₃ | S | 5-Fluorouracil |
| acyl | CF ₃ | S | 8-Fluoroguanine |
| acyl | CF ₃ | S | 5-Fluorocytosine |
| acyl | CF ₃ | S | 8-Fluoroadenine |
| acyl | CF ₃ | S | 2-Fluoroadenine |
| acyl | CF ₃ | S | 2,8-Difluoroadenine |
| acyl | CF ₃ | S | 2-Fluorohypoxanthine |
| acyl | CF ₃ | S | 8-Fluorohypoxanthine |
| acyl | CF ₃ | S | 2,8-Difluorohypoxanthine |
| acyl | CF ₃ | S | 2-Aminoadenine |
| acyl | CF ₃ | S | 2-Amino-8-fluoroadenine |
| acyl | CF ₃ | S | 2-Amino-8-fluorohypoxanthine |
| acyl | CF ₃ | S | 2-Aminohypoxanthine |
| acyl | CF ₃ | S | 2-N-acetylguanine |
| acyl | CF ₃ | S | 4-N-acetylcytosine |
| acyl | CF ₃ | S | 6-N-acetyl-adenine |
| acyl | CF ₃ | S | 2-N-acetyl-8-fluoroguanine |
| acyl | CF ₃ | S | 4-N-acetyl-5-fluorocytosine |
| acyl | CF ₃ | S | 6-N-acetyl-2-fluoroadenine |
| acyl | CF ₃ | S | 6-N-acetyl-2,8-difluoroadenine |
| acyl | CF ₃ | S | 6-N-acetyl-2-aminoadenine |
| acyl | CF ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| acyl | CF ₃ | S | 2-N-acetylaminoadenine |
| acyl | CF ₃ | S | 2-N-acetyl-amino-8-fluoroadenine |
| acyl | CF ₃ | S | 2-N-acetyl-amino-8-fluorohypoxanthine |
| acyl | CF ₃ | S | 2-N-acetylaminohypoxanthine |
| amino acid | CF ₃ | S | Thymine |
| amino acid | CF ₃ | S | Uracil |
| amino acid | CF ₃ | S | Guanine |
| amino acid | CF ₃ | S | Cytosine |

| R ² | R ⁶ | X | Base |
|----------------|-----------------|---|--------------------------------------|
| amino acid | CF ₃ | S | Adenine |
| amino acid | CF ₃ | S | Hypoxanthine |
| amino acid | CF ₃ | S | 5-Fluorouracil |
| amino acid | CF ₃ | S | 8-Fluoroguanine |
| amino acid | CF ₃ | S | 5-Fluorocytosine |
| amino acid | CF ₃ | S | 8-Fluoroadenine |
| amino acid | CF ₃ | S | 2-Fluoroadenine |
| amino acid | CF ₃ | S | 2,8-Difluoroadenine |
| amino acid | CF ₃ | S | 2-Fluorohypoxanthine |
| amino acid | CF ₃ | S | 8-Fluorohypoxanthine |
| amino acid | CF ₃ | S | 2,8-Difluorohypoxanthine |
| amino acid | CF ₃ | S | 2-Aminoadenine |
| amino acid | CF ₃ | S | 2-Amino-8-fluoroadenine |
| amino acid | CF ₃ | S | 2-Amino-8-fluorohypoxanthine |
| amino acid | CF ₃ | S | 2-Aminohypoxanthine |
| amino acid | CF ₃ | S | 2-N-acetylguanine |
| amino acid | CF ₃ | S | 4-N-acetylcytosine |
| amino acid | CF ₃ | S | 6-N-acetyladenine |
| amino acid | CF ₃ | S | 2-N-acetyl-8-fluoroguanine |
| amino acid | CF ₃ | S | 4-N-acetyl-5-fluorocytosine |
| amino acid | CF ₃ | S | 6-N-acetyl-2-fluoroadenine |
| amino acid | CF ₃ | S | 6-N-acetyl-2,8-difluoroadenine |
| amino acid | CF ₃ | S | 6-N-acetyl-2-aminoadenine |
| amino acid | CF ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| amino acid | CF ₃ | S | 2-N-acetylaminoadenine |
| amino acid | CF ₃ | S | 2-N-acetylamino-8-fluoroadenine |
| amino acid | CF ₃ | S | 2-N-acetylamino-8-fluorohypoxanthine |
| amino acid | CF ₃ | S | 2-N-acetylaminohypoxanthine |

Table 23

| R ² | R ⁶ | X | Base |
|----------------|-----------------|---|---------------------------------------|
| amino acid | CH ₃ | O | Thymine |
| amino acid | CH ₃ | O | Uracil |
| amino acid | CH ₃ | O | Guanine |
| amino acid | CH ₃ | O | Cytosine |
| amino acid | CH ₃ | O | Adenine |
| amino acid | CH ₃ | O | Hypoxanthine |
| amino acid | CH ₃ | O | 5-Fluorouracil |
| amino acid | CH ₃ | O | 8-Fluoroguanine |
| amino acid | CH ₃ | O | 5-Fluorocytosine |
| amino acid | CH ₃ | O | 8-Fluoroadenine |
| amino acid | CH ₃ | O | 2-Fluoroadenine |
| amino acid | CH ₃ | O | 2,8-Difluoroadenine |
| amino acid | CH ₃ | O | 2-Fluorohypoxanthine |
| amino acid | CH ₃ | O | 8-Fluorohypoxanthine |
| amino acid | CH ₃ | O | 2,8-Difluorohypoxanthine |
| amino acid | CH ₃ | O | 2-Aminoadenine |
| amino acid | CH ₃ | O | 2-Amino-8-fluoroadenine |
| amino acid | CH ₃ | O | 2-Amino-8-fluorohypoxanthine |
| amino acid | CH ₃ | O | 2-Aminohypoxanthine |
| amino acid | CH ₃ | O | 2-N-acetylguanine |
| amino acid | CH ₃ | O | 4-N-acetylcytosine |
| amino acid | CH ₃ | O | 6-N-acetylguanine |
| amino acid | CH ₃ | O | 2-N-acetyl-8-fluoroguanine |
| amino acid | CH ₃ | O | 4-N-acetyl-5-fluorocytosine |
| amino acid | CH ₃ | O | 6-N-acetyl-2-fluoroadenine |
| amino acid | CH ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| amino acid | CH ₃ | O | 6-N-acetyl-2-aminoadenine |
| amino acid | CH ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |
| amino acid | CH ₃ | O | 2-N-acetylaminoadenine |
| amino acid | CH ₃ | O | 2-N-acetyl-amino-8-fluoroadenine |
| amino acid | CH ₃ | O | 2-N-acetyl-amino-8-fluorohypoxanthine |
| amino acid | CH ₃ | O | 2-N-acetylaminohypoxanthine |
| amino acid | CH ₃ | S | Thymine |
| amino acid | CH ₃ | S | Uracil |
| amino acid | CH ₃ | S | Guanine |
| amino acid | CH ₃ | S | Cytosine |
| amino acid | CH ₃ | S | Adenine |
| amino acid | CH ₃ | S | Hypoxanthine |
| amino acid | CH ₃ | S | 5-Fluorouracil |
| amino acid | CH ₃ | S | 8-Fluoroguanine |
| amino acid | CH ₃ | S | 5-Fluorocytosine |
| amino acid | CH ₃ | S | 8-Fluoroadenine |
| amino acid | CH ₃ | S | 2-Fluoroadenine |
| amino acid | CH ₃ | S | 2,8-Difluoroadenine |
| amino acid | CH ₃ | S | 2-Fluorohypoxanthine |

| R² | R⁶ | X | Base |
|----------------------|----------------------|----------|--------------------------------------|
| amino acid | CH ₃ | S | 8-Fluorohypoxanthine |
| amino acid | CH ₃ | S | 2,8-Difluorohypoxanthine |
| amino acid | CH ₃ | S | 2-Aminoadenine |
| amino acid | CH ₃ | S | 2-Amino-8-fluoroadenine |
| amino acid | CH ₃ | S | 2-Amino-8-fluorohypoxanthine |
| amino acid | CH ₃ | S | 2-Aminohypoxanthine |
| amino acid | CH ₃ | S | 2-N-acetylguanine |
| amino acid | CH ₃ | S | 4-N-acetylcytosine |
| amino acid | CH ₃ | S | 6-N-acetyladenine |
| amino acid | CH ₃ | S | 2-N-acetyl-8-fluoroguanine |
| amino acid | CH ₃ | S | 4-N-acetyl-5-fluorocytosine |
| amino acid | CH ₃ | S | 6-N-acetyl-2-fluoroadenine |
| amino acid | CH ₃ | S | 6-N-acetyl-2,8-difluoroadenine |
| amino acid | CH ₃ | S | 6-N-acetyl-2-aminoadenine |
| amino acid | CH ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| amino acid | CH ₃ | S | 2-N-acetylaminoadenine |
| amino acid | CH ₃ | S | 2-N-acetylamino-8-fluoroadenine |
| amino acid | CH ₃ | S | 2-N-acetylamino-8-fluorohypoxanthine |
| amino acid | CH ₃ | S | 2-N-acetylaminohypoxanthine |
| amino acid | CF ₃ | O | Thymine |
| amino acid | CF ₃ | O | Uracil |
| amino acid | CF ₃ | O | Guanine |
| amino acid | CF ₃ | O | Cytosine |
| amino acid | CF ₃ | O | Adenine |
| amino acid | CF ₃ | O | Hypoxanthine |
| amino acid | CF ₃ | O | 5-Fluorouracil |
| amino acid | CF ₃ | O | 8-Fluoroguanine |
| amino acid | CF ₃ | O | 5-Fluorocytosine |
| amino acid | CF ₃ | O | 8-Fluoroadenine |
| amino acid | CF ₃ | O | 2-Fluoroadenine |
| amino acid | CF ₃ | O | 2,8-Difluoroadenine |
| amino acid | CF ₃ | O | 2-Fluorohypoxanthine |
| amino acid | CF ₃ | O | 8-Fluorohypoxanthine |
| amino acid | CF ₃ | O | 2,8-Difluorohypoxanthine |
| amino acid | CF ₃ | O | 2-Aminoadenine |
| amino acid | CF ₃ | O | 2-Amino-8-fluoroadenine |
| amino acid | CF ₃ | O | 2-Amino-8-fluorohypoxanthine |
| amino acid | CF ₃ | O | 2-Aminohypoxanthine |
| amino acid | CF ₃ | O | 2-N-acetylguanine |
| amino acid | CF ₃ | O | 4-N-acetylcytosine |
| amino acid | CF ₃ | O | 6-N-acetyladenine |
| amino acid | CF ₃ | O | 2-N-acetyl-8-fluoroguanine |
| amino acid | CF ₃ | O | 4-N-acetyl-5-fluorocytosine |
| amino acid | CF ₃ | O | 6-N-acetyl-2-fluoroadenine |
| amino acid | CF ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| amino acid | CF ₃ | O | 6-N-acetyl-2-aminoadenine |
| amino acid | CF ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |

| R ² | R ⁶ | X | Base |
|----------------|-----------------|---|---------------------------------------|
| amino acid | CF ₃ | O | 2-N-acetylaminoadenine |
| amino acid | CF ₃ | O | 2-N-acetyl-amino-8-fluoroadenine |
| amino acid | CF ₃ | O | 2-N-acetyl-amino-8-fluorohypoxanthine |
| amino acid | CF ₃ | O | 2-N-acetylaminohypoxanthine |
| amino acid | CF ₃ | S | Thymine |
| amino acid | CF ₃ | S | Uracil |
| amino acid | CF ₃ | S | Guanine |
| amino acid | CF ₃ | S | Cytosine |
| amino acid | CF ₃ | S | Adenine |
| amino acid | CF ₃ | S | Hypoxanthine |
| amino acid | CF ₃ | S | 5-Fluorouracil |
| amino acid | CF ₃ | S | 8-Fluoroguanine |
| amino acid | CF ₃ | S | 5-Fluorocytosine |
| amino acid | CF ₃ | S | 8-Fluoroadenine |
| amino acid | CF ₃ | S | 2-Fluoroadenine |
| amino acid | CF ₃ | S | 2,8-Difluoroadenine |
| amino acid | CF ₃ | S | 2-Fluorohypoxanthine |
| amino acid | CF ₃ | S | 8-Fluorohypoxanthine |
| amino acid | CF ₃ | S | 2,8-Difluorohypoxanthine |
| amino acid | CF ₃ | S | 2-Aminoadenine |
| amino acid | CF ₃ | S | 2-Amino-8-fluoroadenine |
| amino acid | CF ₃ | S | 2-Amino-8-fluorohypoxanthine |
| amino acid | CF ₃ | S | 2-Aminohypoxanthine |
| amino acid | CF ₃ | S | 2-N-acetylguanine |
| amino acid | CF ₃ | S | 4-N-acetylcytosine |
| amino acid | CF ₃ | S | 6-N-acetyl-adenine |
| amino acid | CF ₃ | S | 2-N-acetyl-8-fluoroguanine |
| amino acid | CF ₃ | S | 4-N-acetyl-5-fluorocytosine |
| amino acid | CF ₃ | S | 6-N-acetyl-2-fluoroadenine |
| amino acid | CF ₃ | S | 6-N-acetyl-2,8-difluoroadenine |
| amino acid | CF ₃ | S | 6-N-acetyl-2-aminoadenine |
| amino acid | CF ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| amino acid | CF ₃ | S | 2-N-acetylaminoadenine |
| amino acid | CF ₃ | S | 2-N-acetyl-amino-8-fluoroadenine |
| amino acid | CF ₃ | S | 2-N-acetyl-amino-8-fluorohypoxanthine |
| amino acid | CF ₃ | S | 2-N-acetylaminohypoxanthine |
| acyl | CH ₃ | O | Thymine |
| acyl | CH ₃ | O | Uracil |
| acyl | CH ₃ | O | Guanine |
| acyl | CH ₃ | O | Cytosine |
| acyl | CH ₃ | O | Adenine |
| acyl | CH ₃ | O | Hypoxanthine |
| acyl | CH ₃ | O | 5-Fluorouracil |
| acyl | CH ₃ | O | 8-Fluoroguanine |
| acyl | CH ₃ | O | 5-Fluorocytosine |
| acyl | CH ₃ | O | 8-Fluoroadenine |
| acyl | CH ₃ | O | 2-Fluoroadenine |

| R ² | R ⁶ | X | Base |
|----------------|-----------------|---|--------------------------------------|
| acyl | CH ₃ | O | 2,8-Difluoroadenine |
| acyl | CH ₃ | O | 2-Fluorohypoxanthine |
| acyl | CH ₃ | O | 8-Fluorohypoxanthine |
| acyl | CH ₃ | O | 2,8-Difluorohypoxanthine |
| acyl | CH ₃ | O | 2-Aminoadenine |
| acyl | CH ₃ | O | 2-Amino-8-fluoroadenine |
| acyl | CH ₃ | O | 2-Amino-8-fluorohypoxanthine |
| acyl | CH ₃ | O | 2-Aminohypoxanthine |
| acyl | CH ₃ | O | 2-N-acetylguanine |
| acyl | CH ₃ | O | 4-N-acetylcytosine |
| acyl | CH ₃ | O | 6-N-acetyladenine |
| acyl | CH ₃ | O | 2-N-acetyl-8-fluoroguanine |
| acyl | CH ₃ | O | 4-N-acetyl-5-fluorocytosine |
| acyl | CH ₃ | O | 6-N-acetyl-2-fluoroadenine |
| acyl | CH ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| acyl | CH ₃ | O | 6-N-acetyl-2-aminoadenine |
| acyl | CH ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |
| acyl | CH ₃ | O | 2-N-acetylaminoadenine |
| acyl | CH ₃ | O | 2-N-acetylamino-8-fluoroadenine |
| acyl | CH ₃ | O | 2-N-acetylamino-8-fluorohypoxanthine |
| acyl | CH ₃ | O | 2-N-acetylaminohypoxanthine |
| acyl | CH ₃ | S | Thymine |
| acyl | CH ₃ | S | Uracil |
| acyl | CH ₃ | S | Guanine |
| acyl | CH ₃ | S | Cytosine |
| acyl | CH ₃ | S | Adenine |
| acyl | CH ₃ | S | Hypoxanthine |
| acyl | CH ₃ | S | 5-Fluorouracil |
| acyl | CH ₃ | S | 8-Fluoroguanine |
| acyl | CH ₃ | S | 5-Fluorocytosine |
| acyl | CH ₃ | S | 8-Fluoroadenine |
| acyl | CH ₃ | S | 2-Fluoroadenine |
| acyl | CH ₃ | S | 2,8-Difluoroadenine |
| acyl | CH ₃ | S | 2-Fluorohypoxanthine |
| acyl | CH ₃ | S | 8-Fluorohypoxanthine |
| acyl | CH ₃ | S | 2,8-Difluorohypoxanthine |
| acyl | CH ₃ | S | 2-Aminoadenine |
| acyl | CH ₃ | S | 2-Amino-8-fluoroadenine |
| acyl | CH ₃ | S | 2-Amino-8-fluorohypoxanthine |
| acyl | CH ₃ | S | 2-Aminohypoxanthine |
| acyl | CH ₃ | S | 2-N-acetylguanine |
| acyl | CH ₃ | S | 4-N-acetylcytosine |
| acyl | CH ₃ | S | 6-N-acetyladenine |
| acyl | CH ₃ | S | 2-N-acetyl-8-fluoroguanine |
| acyl | CH ₃ | S | 4-N-acetyl-5-fluorocytosine |
| acyl | CH ₃ | S | 6-N-acetyl-2-fluoroadenine |
| acyl | CH ₃ | S | 6-N-acetyl-2,8-difluoroadenine |

| R ² | R ⁶ | X | Base |
|----------------|-----------------|---|--------------------------------------|
| acyl | CH ₃ | S | 6-N-acetyl-2-aminoadenine |
| acyl | CH ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| acyl | CH ₃ | S | 2-N-acetylaminoadenine |
| acyl | CH ₃ | S | 2-N-acetylamino-8-fluoroadenine |
| acyl | CH ₃ | S | 2-N-acetylamino-8-fluorohypoxanthine |
| acyl | CH ₃ | S | 2-N-acetylaminohypoxanthine |
| acyl | CF ₃ | O | Thymine |
| acyl | CF ₃ | O | Uracil |
| acyl | CF ₃ | O | Guanine |
| acyl | CF ₃ | O | Cytosine |
| acyl | CF ₃ | O | Adenine |
| acyl | CF ₃ | O | Hypoxanthine |
| acyl | CF ₃ | O | 5-Fluorouracil |
| acyl | CF ₃ | O | 8-Fluoroguanine |
| acyl | CF ₃ | O | 5-Fluorocytosine |
| acyl | CF ₃ | O | 8-Fluoroadenine |
| acyl | CF ₃ | O | 2-Fluoroadenine |
| acyl | CF ₃ | O | 2,8-Difluoroadenine |
| acyl | CF ₃ | O | 2-Fluorohypoxanthine |
| acyl | CF ₃ | O | 8-Fluorohypoxanthine |
| acyl | CF ₃ | O | 2,8-Difluorohypoxanthine |
| acyl | CF ₃ | O | 2-Aminoadenine |
| acyl | CF ₃ | O | 2-Amino-8-fluoroadenine |
| acyl | CF ₃ | O | 2-Amino-8-fluorohypoxanthine |
| acyl | CF ₃ | O | 2-Aminohypoxanthine |
| acyl | CF ₃ | O | 2-N-acetylguanine |
| acyl | CF ₃ | O | 4-N-acetylcytosine |
| acyl | CF ₃ | O | 6-N-acetyladenine |
| acyl | CF ₃ | O | 2-N-acetyl-8-fluoroguanine |
| acyl | CF ₃ | O | 4-N-acetyl-5-fluorocytosine |
| acyl | CF ₃ | O | 6-N-acetyl-2-fluoroadenine |
| acyl | CF ₃ | O | 6-N-acetyl-2,8-difluoroadenine |
| acyl | CF ₃ | O | 6-N-acetyl-2-aminoadenine |
| acyl | CF ₃ | O | 6-N-acetyl-2-amino-8-fluoroadenine |
| acyl | CF ₃ | O | 2-N-acetylaminoadenine |
| acyl | CF ₃ | O | 2-N-acetylamino-8-fluoroadenine |
| acyl | CF ₃ | O | 2-N-acetylamino-8-fluorohypoxanthine |
| acyl | CF ₃ | O | 2-N-acetylaminohypoxanthine |
| acyl | CF ₃ | S | Thymine |
| acyl | CF ₃ | S | Uracil |
| acyl | CF ₃ | S | Guanine |
| acyl | CF ₃ | S | Cytosine |
| acyl | CF ₃ | S | Adenine |
| acyl | CF ₃ | S | Hypoxanthine |
| acyl | CF ₃ | S | 5-Fluorouracil |
| acyl | CF ₃ | S | 8-Fluoroguanine |
| acyl | CF ₃ | S | 5-Fluorocytosine |

| R ² | R ⁶ | X | Base |
|----------------|-----------------|---|--------------------------------------|
| acyl | CF ₃ | S | 8-Fluoroadenine |
| acyl | CF ₃ | S | 2-Fluoroadenine |
| acyl | CF ₃ | S | 2,8-Difluoroadenine |
| acyl | CF ₃ | S | 2-Fluorohypoxanthine |
| acyl | CF ₃ | S | 8-Fluorohypoxanthine |
| acyl | CF ₃ | S | 2,8-Difluorohypoxanthine |
| acyl | CF ₃ | S | 2-Aminoadenine |
| acyl | CF ₃ | S | 2-Amino-8-fluoroadenine |
| acyl | CF ₃ | S | 2-Amino-8-fluorohypoxanthine |
| acyl | CF ₃ | S | 2-Aminohypoxanthine |
| acyl | CF ₃ | S | 2-N-acetylguanine |
| acyl | CF ₃ | S | 4-N-acetylcytosine |
| acyl | CF ₃ | S | 6-N-acetyladenine |
| acyl | CF ₃ | S | 2-N-acetyl-8-fluoroguanine |
| acyl | CF ₃ | S | 4-N-acetyl-5-fluorocytosine |
| acyl | CF ₃ | S | 6-N-acetyl-2-fluoroadenine |
| acyl | CF ₃ | S | 6-N-acetyl-2,8-difluoroadenine |
| acyl | CF ₃ | S | 6-N-acetyl-2-aminoadenine |
| acyl | CF ₃ | S | 6-N-acetyl-2-amino-8-fluoroadenine |
| acyl | CF ₃ | S | 2-N-acetylaminoadenine |
| acyl | CF ₃ | S | 2-N-acetylamino-8-fluoroadenine |
| acyl | CF ₃ | S | 2-N-acetylamino-8-fluorohypoxanthine |
| acyl | CF ₃ | S | 2-N-acetylaminohypoxanthine |

Table 24

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | F | O | Thymine | F | H |
| CH ₃ | O-acyl | F | O | Uracil | F | H |
| CH ₃ | O-acyl | F | O | Guanine | F | H |
| CH ₃ | O-acyl | F | O | Cytosine | F | H |
| CH ₃ | O-acyl | F | O | Adenine | F | H |
| CH ₃ | O-acyl | F | O | Hypoxanthine | F | H |
| CH ₃ | O-acyl | F | O | 5-Fluorouracil | F | H |
| CH ₃ | O-acyl | F | O | 8-Fluoroguanine | F | H |
| CH ₃ | O-acyl | F | O | 5-Fluorocytosine | F | H |
| CH ₃ | O-acyl | F | O | 8-Fluoroadenine | F | H |
| CH ₃ | O-acyl | F | O | 2-Fluoroadenine | F | H |
| CH ₃ | O-acyl | F | O | 2,8-Difluoroadenine | F | H |
| CH ₃ | O-acyl | F | O | 2-Fluorohypoxanthine | F | H |
| CH ₃ | O-acyl | F | O | 8-Fluorohypoxanthine | F | H |
| CH ₃ | O-acyl | F | O | 2,8-Difluorohypoxanthine | F | H |
| CH ₃ | O-acyl | F | O | 2-Aminoadenine | F | H |
| CH ₃ | O-acyl | F | O | 2-Amino-8-fluoroadenine | F | H |
| CH ₃ | O-acyl | F | O | 2-Amino-8-fluorohypoxanthine | F | H |
| CH ₃ | O-acyl | F | O | 2-Aminohypoxanthine | F | H |
| CH ₃ | O-acyl | F | O | 2-N-acetylguanine | F | H |
| CH ₃ | O-acyl | F | O | 4-N-acetylcytosine | F | H |
| CH ₃ | O-acyl | F | O | 6-N-acetylguanine | F | H |
| CH ₃ | O-acyl | F | O | 2-N-acetyl-8-fluoroguanine | F | H |
| CH ₃ | O-acyl | F | O | 4-N-acetyl-5-fluorocytosine | F | H |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-fluoroadenine | F | H |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2,8-difluoroadenine | F | H |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-aminoadenine | F | H |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | H |
| CH ₃ | O-acyl | F | O | 2-N-acetylaminoadenine | F | H |
| CH ₃ | O-acyl | F | O | 2-N-acetyl-amino-8-fluoroadenine | F | H |
| CH ₃ | O-acyl | F | O | 2-N-acetylaminohypoxanthine | F | H |
| CH ₃ | O-acyl | F | O | Thymine | F | O-amino acid |
| CH ₃ | O-acyl | F | O | Uracil | F | O-amino acid |
| CH ₃ | O-acyl | F | O | Guanine | F | O-amino acid |
| CH ₃ | O-acyl | F | O | Cytosine | F | O-amino acid |
| CH ₃ | O-acyl | F | O | Adenine | F | O-amino acid |
| CH ₃ | O-acyl | F | O | Hypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | F | O | 5-Fluorouracil | F | O-amino acid |
| CH ₃ | O-acyl | F | O | 8-Fluoroguanine | F | O-amino acid |
| CH ₃ | O-acyl | F | O | 5-Fluorocytosine | F | O-amino acid |
| CH ₃ | O-acyl | F | O | 8-Fluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-Fluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | F | O | 2,8-Difluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-Fluorohypoxanthine | F | O-amino acid |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | F | O | 8-Fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | F | O | 2,8-Difluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-Aminoadenine | F | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-Amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-Amino-8-fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-Aminohypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-N-acetylguanine | F | O-amino acid |
| CH ₃ | O-acyl | F | O | 4-N-acetylcytosine | F | O-amino acid |
| CH ₃ | O-acyl | F | O | 6-N-acetyl adenine | F | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-N-acetyl-8-fluoroguanine | F | O-amino acid |
| CH ₃ | O-acyl | F | O | 4-N-acetyl-5-fluorocytosine | F | O-amino acid |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-fluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2,8-difluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-aminoadenine | F | O-amino acid |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-N-acetylaminoadenine | F | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-N-acetyl amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-N-acetyl amino-8-fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-N-acetylaminohypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | F | O | Thymine | F | O-acyl |
| CH ₃ | O-acyl | F | O | Uracil | F | O-acyl |
| CH ₃ | O-acyl | F | O | Guanine | F | O-acyl |
| CH ₃ | O-acyl | F | O | Cytosine | F | O-acyl |
| CH ₃ | O-acyl | F | O | Adenine | F | O-acyl |
| CH ₃ | O-acyl | F | O | Hypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | F | O | 5-Fluorouracil | F | O-acyl |
| CH ₃ | O-acyl | F | O | 8-Fluoroguanine | F | O-acyl |
| CH ₃ | O-acyl | F | O | 5-Fluorocytosine | F | O-acyl |
| CH ₃ | O-acyl | F | O | 8-Fluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | F | O | 2-Fluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | F | O | 2,8-Difluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | F | O | 2-Fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | F | O | 8-Fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | F | O | 2,8-Difluorohypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | F | O | 2-Aminoadenine | F | O-acyl |
| CH ₃ | O-acyl | F | O | 2-Amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | F | O | 2-Amino-8-fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | F | O | 2-Aminohypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | F | O | 2-N-acetylguanine | F | O-acyl |
| CH ₃ | O-acyl | F | O | 4-N-acetylcytosine | F | O-acyl |
| CH ₃ | O-acyl | F | O | 6-N-acetyl adenine | F | O-acyl |
| CH ₃ | O-acyl | F | O | 2-N-acetyl-8-fluoroguanine | F | O-acyl |
| CH ₃ | O-acyl | F | O | 4-N-acetyl-5-fluorocytosine | F | O-acyl |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-fluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2,8-difluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-aminoadenine | F | O-acyl |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-acyl |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|--------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | F | O | 2-N-acetylaminoadenine | F | O-acyl |
| CH ₃ | O-acyl | F | O | 2-N-acetylamino-8-fluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | F | O | 2-N-acetylamino-8-fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | F | O | 2-N-acetylaminohypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | F | O | Thymine | F | OH |
| CH ₃ | O-acyl | F | O | Uracil | F | OH |
| CH ₃ | O-acyl | F | O | Guanine | F | OH |
| CH ₃ | O-acyl | F | O | Cytosine | F | OH |
| CH ₃ | O-acyl | F | O | Adenine | F | OH |
| CH ₃ | O-acyl | F | O | Hypoxanthine | F | OH |
| CH ₃ | O-acyl | F | O | 5-Fluorouracil | F | OH |
| CH ₃ | O-acyl | F | O | 8-Fluoroguanine | F | OH |
| CH ₃ | O-acyl | F | O | 5-Fluorocytosine | F | OH |
| CH ₃ | O-acyl | F | O | 8-Fluoroadenine | F | OH |
| CH ₃ | O-acyl | F | O | 2-Fluoroadenine | F | OH |
| CH ₃ | O-acyl | F | O | 2,8-Difluoroadenine | F | OH |
| CH ₃ | O-acyl | F | O | 2-Fluorohypoxanthine | F | OH |
| CH ₃ | O-acyl | F | O | 8-Fluorohypoxanthine | F | OH |
| CH ₃ | O-acyl | F | O | 2,8-Difluorohypoxanthine | F | OH |
| CH ₃ | O-acyl | F | O | 2-Aminoadenine | F | OH |
| CH ₃ | O-acyl | F | O | 2-Amino-8-fluoroadenine | F | OH |
| CH ₃ | O-acyl | F | O | 2-Amino-8-fluorohypoxanthine | F | OH |
| CH ₃ | O-acyl | F | O | 2-Aminohypoxanthine | F | OH |
| CH ₃ | O-acyl | F | O | 2-N-acetylguanine | F | OH |
| CH ₃ | O-acyl | F | O | 4-N-acetylcytosine | F | OH |
| CH ₃ | O-acyl | F | O | 6-N-acetyladenine | F | OH |
| CH ₃ | O-acyl | F | O | 2-N-acetyl-8-fluoroguanine | F | OH |
| CH ₃ | O-acyl | F | O | 4-N-acetyl-5-fluorocytosine | F | OH |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-fluoroadenine | F | OH |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2,8-difluoroadenine | F | OH |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-aminoadenine | F | OH |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | OH |
| CH ₃ | O-acyl | F | O | 2-N-acetylaminoadenine | F | OH |
| CH ₃ | O-acyl | F | O | 2-N-acetylamino-8-fluoroadenine | F | OH |
| CH ₃ | O-acyl | F | O | 2-N-acetylamino-8-fluorohypoxanthine | F | OH |
| CH ₃ | O-acyl | F | O | 2-N-acetylaminohypoxanthine | F | OH |
| CH ₃ | O-acyl | F | O | Thymine | Br | H |
| CH ₃ | O-acyl | F | O | Uracil | Br | H |
| CH ₃ | O-acyl | F | O | Guanine | Br | H |
| CH ₃ | O-acyl | F | O | Cytosine | Br | H |
| CH ₃ | O-acyl | F | O | Adenine | Br | H |
| CH ₃ | O-acyl | F | O | Hypoxanthine | Br | H |
| CH ₃ | O-acyl | F | O | 5-Fluorouracil | Br | H |
| CH ₃ | O-acyl | F | O | 8-Fluoroguanine | Br | H |
| CH ₃ | O-acyl | F | O | 5-Fluorocytosine | Br | H |
| CH ₃ | O-acyl | F | O | 8-Fluoroadenine | Br | H |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | F | O | 2-Fluoroadenine | Br | H |
| CH ₃ | O-acyl | F | O | 2,8-Difluoroadenine | Br | H |
| CH ₃ | O-acyl | F | O | 2-Fluorohypoxanthine | Br | H |
| CH ₃ | O-acyl | F | O | 8-Fluorohypoxanthine | Br | H |
| CH ₃ | O-acyl | F | O | 2,8-Difluorohypoxanthine | Br | H |
| CH ₃ | O-acyl | F | O | 2-Aminoadenine | Br | H |
| CH ₃ | O-acyl | F | O | 2-Amino-8-fluoroadenine | Br | H |
| CH ₃ | O-acyl | F | O | 2-Amino-8-fluorohypoxanthine | Br | H |
| CH ₃ | O-acyl | F | O | 2-Aminohypoxanthine | Br | H |
| CH ₃ | O-acyl | F | O | 2-N-acetylguanine | Br | H |
| CH ₃ | O-acyl | F | O | 4-N-acetylcytosine | Br | H |
| CH ₃ | O-acyl | F | O | 6-N-acetyl adenine | Br | H |
| CH ₃ | O-acyl | F | O | 2-N-acetyl-8-fluoroguanine | Br | H |
| CH ₃ | O-acyl | F | O | 4-N-acetyl-5-fluorocytosine | Br | H |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-fluoroadenine | Br | H |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2,8-difluoroadenine | Br | H |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-aminoadenine | Br | H |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | H |
| CH ₃ | O-acyl | F | O | 2-N-acetylaminoadenine | Br | H |
| CH ₃ | O-acyl | F | O | 2-N-acetyl amino-8-fluoroadenine | Br | H |
| CH ₃ | O-acyl | F | O | 2-N-acetyl amino-8-fluorohypoxanthine | Br | H |
| CH ₃ | O-acyl | F | O | 2-N-acetylaminohypoxanthine | Br | H |
| CH ₃ | O-acyl | F | O | Thymine | Br | O-amino acid |
| CH ₃ | O-acyl | F | O | Uracil | Br | O-amino acid |
| CH ₃ | O-acyl | F | O | Guanine | Br | O-amino acid |
| CH ₃ | O-acyl | F | O | Cytosine | Br | O-amino acid |
| CH ₃ | O-acyl | F | O | Adenine | Br | O-amino acid |
| CH ₃ | O-acyl | F | O | Hypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | F | O | 5-Fluorouracil | Br | O-amino acid |
| CH ₃ | O-acyl | F | O | 8-Fluoroguanine | Br | O-amino acid |
| CH ₃ | O-acyl | F | O | 5-Fluorocytosine | Br | O-amino acid |
| CH ₃ | O-acyl | F | O | 8-Fluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-Fluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | F | O | 2,8-Difluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-Fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | F | O | 8-Fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | F | O | 2,8-Difluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-Aminoadenine | Br | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-Amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-Amino-8-fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-Aminohypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-N-acetylguanine | Br | O-amino acid |
| CH ₃ | O-acyl | F | O | 4-N-acetylcytosine | Br | O-amino acid |
| CH ₃ | O-acyl | F | O | 6-N-acetyl adenine | Br | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-N-acetyl-8-fluoroguanine | Br | O-amino acid |
| CH ₃ | O-acyl | F | O | 4-N-acetyl-5-fluorocytosine | Br | O-amino acid |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-fluoroadenine | Br | O-amino acid |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|--------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2,8-difluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-aminoadenine | Br | O-amino acid |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-N-acetylaminoadenine | Br | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-N-acetylamino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-N-acetylamino-8-fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-N-acetylaminohypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | F | O | Thymine | Br | O-acyl |
| CH ₃ | O-acyl | F | O | Uracil | Br | O-acyl |
| CH ₃ | O-acyl | F | O | Guanine | Br | O-acyl |
| CH ₃ | O-acyl | F | O | Cytosine | Br | O-acyl |
| CH ₃ | O-acyl | F | O | Adenine | Br | O-acyl |
| CH ₃ | O-acyl | F | O | Hypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | F | O | 5-Fluorouracil | Br | O-acyl |
| CH ₃ | O-acyl | F | O | 8-Fluoroguanine | Br | O-acyl |
| CH ₃ | O-acyl | F | O | 5-Fluorocytosine | Br | O-acyl |
| CH ₃ | O-acyl | F | O | 8-Fluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | F | O | 2-Fluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | F | O | 2,8-Difluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | F | O | 2-Fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | F | O | 8-Fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | F | O | 2,8-Difluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | F | O | 2-Aminoadenine | Br | O-acyl |
| CH ₃ | O-acyl | F | O | 2-Amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | F | O | 2-Amino-8-fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | F | O | 2-Aminohypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | F | O | 2-N-acetylguanine | Br | O-acyl |
| CH ₃ | O-acyl | F | O | 4-N-acetylcytosine | Br | O-acyl |
| CH ₃ | O-acyl | F | O | 6-N-acetyladenine | Br | O-acyl |
| CH ₃ | O-acyl | F | O | 2-N-acetyl-8-fluoroguanine | Br | O-acyl |
| CH ₃ | O-acyl | F | O | 4-N-acetyl-5-fluorocytosine | Br | O-acyl |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-fluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2,8-difluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-aminoadenine | Br | O-acyl |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | F | O | 2-N-acetylaminoadenine | Br | O-acyl |
| CH ₃ | O-acyl | F | O | 2-N-acetylamino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | F | O | 2-N-acetylamino-8-fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | F | O | 2-N-acetylaminohypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | F | O | Thymine | Br | OH |
| CH ₃ | O-acyl | F | O | Uracil | Br | OH |
| CH ₃ | O-acyl | F | O | Guanine | Br | OH |
| CH ₃ | O-acyl | F | O | Cytosine | Br | OH |
| CH ₃ | O-acyl | F | O | Adenine | Br | OH |
| CH ₃ | O-acyl | F | O | Hypoxanthine | Br | OH |
| CH ₃ | O-acyl | F | O | 5-Fluorouracil | Br | OH |
| CH ₃ | O-acyl | F | O | 8-Fluoroguanine | Br | OH |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | F | O | 5-Fluorocytosine | Br | OH |
| CH ₃ | O-acyl | F | O | 8-Fluoroadenine | Br | OH |
| CH ₃ | O-acyl | F | O | 2-Fluoroadenine | Br | OH |
| CH ₃ | O-acyl | F | O | 2,8-Difluoroadenine | Br | OH |
| CH ₃ | O-acyl | F | O | 2-Fluorohypoxanthine | Br | OH |
| CH ₃ | O-acyl | F | O | 8-Fluorohypoxanthine | Br | OH |
| CH ₃ | O-acyl | F | O | 2,8-Difluorohypoxanthine | Br | OH |
| CH ₃ | O-acyl | F | O | 2-Aminoadenine | Br | OH |
| CH ₃ | O-acyl | F | O | 2-Amino-8-fluoroadenine | Br | OH |
| CH ₃ | O-acyl | F | O | 2-Amino-8-fluorohypoxanthine | Br | OH |
| CH ₃ | O-acyl | F | O | 2-Aminohypoxanthine | Br | OH |
| CH ₃ | O-acyl | F | O | 2-N-acetylguanine | Br | OH |
| CH ₃ | O-acyl | F | O | 4-N-acetylcytosine | Br | OH |
| CH ₃ | O-acyl | F | O | 6-N-acetyladenine | Br | OH |
| CH ₃ | O-acyl | F | O | 2-N-acetyl-8-fluoroguanine | Br | OH |
| CH ₃ | O-acyl | F | O | 4-N-acetyl-5-fluorocytosine | Br | OH |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-fluoroadenine | Br | OH |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2,8-difluoroadenine | Br | OH |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-aminoadenine | Br | OH |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | OH |
| CH ₃ | O-acyl | F | O | 2-N-acetylaminoadenine | Br | OH |
| CH ₃ | O-acyl | F | O | 2-N-acetyl-amino-8-fluoroadenine | Br | OH |
| CH ₃ | O-acyl | F | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Br | OH |
| CH ₃ | O-acyl | F | O | 2-N-acetylaminohypoxanthine | Br | OH |
| CH ₃ | O-acyl | F | O | Thymine | Cl | O-acyl |
| CH ₃ | O-acyl | F | O | Uracil | Cl | O-acyl |
| CH ₃ | O-acyl | F | O | Guanine | Cl | O-acyl |
| CH ₃ | O-acyl | F | O | Cytosine | Cl | O-acyl |
| CH ₃ | O-acyl | F | O | Adenine | Cl | O-acyl |
| CH ₃ | O-acyl | F | O | Hypoxanthine | Cl | O-acyl |
| CH ₃ | O-acyl | F | O | 5-Fluorouracil | Cl | O-acyl |
| CH ₃ | O-acyl | F | O | 8-Fluoroguanine | Cl | O-acyl |
| CH ₃ | O-acyl | F | O | 5-Fluorocytosine | Cl | O-acyl |
| CH ₃ | O-acyl | F | O | 8-Fluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | F | O | 2-Fluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | F | O | 2,8-Difluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | F | O | 2-Fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-acyl | F | O | 8-Fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-acyl | F | O | 2,8-Difluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-acyl | F | O | 2-Aminoadenine | Cl | O-acyl |
| CH ₃ | O-acyl | F | O | 2-Amino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | F | O | 2-Amino-8-fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-acyl | F | O | 2-Aminohypoxanthine | Cl | O-acyl |
| CH ₃ | O-acyl | F | O | 2-N-acetylguanine | Cl | O-acyl |
| CH ₃ | O-acyl | F | O | 4-N-acetylcytosine | Cl | O-acyl |
| CH ₃ | O-acyl | F | O | 6-N-acetyladenine | Cl | O-acyl |
| CH ₃ | O-acyl | F | O | 2-N-acetyl-8-fluoroguanine | Cl | O-acyl |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|--------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | F | O | 4-N-acetyl-5-fluorocytosine | Cl | O-acyl |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2,8-difluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-aminoadenine | Cl | O-acyl |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | F | O | 2-N-acetylaminoadenine | Cl | O-acyl |
| CH ₃ | O-acyl | F | O | 2-N-acetylamino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | F | O | 2-N-acetylamino-8-fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-acyl | F | O | 2-N-acetylaminohypoxanthine | Cl | O-acyl |
| CH ₃ | O-acyl | F | O | Thymine | Cl | OH |
| CH ₃ | O-acyl | F | O | Uracil | Cl | OH |
| CH ₃ | O-acyl | F | O | Guanine | Cl | OH |
| CH ₃ | O-acyl | F | O | Cytosine | Cl | OH |
| CH ₃ | O-acyl | F | O | Adenine | Cl | OH |
| CH ₃ | O-acyl | F | O | Hypoxanthine | Cl | OH |
| CH ₃ | O-acyl | F | O | 5-Fluorouracil | Cl | OH |
| CH ₃ | O-acyl | F | O | 8-Fluoroguanine | Cl | OH |
| CH ₃ | O-acyl | F | O | 5-Fluorocytosine | Cl | OH |
| CH ₃ | O-acyl | F | O | 8-Fluoroadenine | Cl | OH |
| CH ₃ | O-acyl | F | O | 2-Fluoroadenine | Cl | OH |
| CH ₃ | O-acyl | F | O | 2,8-Difluoroadenine | Cl | OH |
| CH ₃ | O-acyl | F | O | 2-Fluorohypoxanthine | Cl | OH |
| CH ₃ | O-acyl | F | O | 8-Fluorohypoxanthine | Cl | OH |
| CH ₃ | O-acyl | F | O | 2,8-Difluorohypoxanthine | Cl | OH |
| CH ₃ | O-acyl | F | O | 2-Aminoadenine | Cl | OH |
| CH ₃ | O-acyl | F | O | 2-Amino-8-fluoroadenine | Cl | OH |
| CH ₃ | O-acyl | F | O | 2-Amino-8-fluorohypoxanthine | Cl | OH |
| CH ₃ | O-acyl | F | O | 2-Aminohypoxanthine | Cl | OH |
| CH ₃ | O-acyl | F | O | 2-N-acetylguanine | Cl | OH |
| CH ₃ | O-acyl | F | O | 4-N-acetylcytosine | Cl | OH |
| CH ₃ | O-acyl | F | O | 6-N-acetyladenine | Cl | OH |
| CH ₃ | O-acyl | F | O | 2-N-acetyl-8-fluoroguanine | Cl | OH |
| CH ₃ | O-acyl | F | O | 4-N-acetyl-5-fluorocytosine | Cl | OH |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-fluoroadenine | Cl | OH |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2,8-difluoroadenine | Cl | OH |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-aminoadenine | Cl | OH |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | OH |
| CH ₃ | O-acyl | F | O | 2-N-acetylaminoadenine | Cl | OH |
| CH ₃ | O-acyl | F | O | 2-N-acetylamino-8-fluoroadenine | Cl | OH |
| CH ₃ | O-acyl | F | O | 2-N-acetylamino-8-fluorohypoxanthine | Cl | OH |
| CH ₃ | O-acyl | F | O | 2-N-acetylaminohypoxanthine | Cl | OH |
| CH ₃ | O-acyl | F | O | Thymine | Cl | H |
| CH ₃ | O-acyl | F | O | Uracil | Cl | H |
| CH ₃ | O-acyl | F | O | Guanine | Cl | H |
| CH ₃ | O-acyl | F | O | Cytosine | Cl | H |
| CH ₃ | O-acyl | F | O | Adenine | Cl | H |
| CH ₃ | O-acyl | F | O | Hypoxanthine | Cl | H |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | F | O | 5-Fluorouracil | Cl | H |
| CH ₃ | O-acyl | F | O | 8-Fluoroguanine | Cl | H |
| CH ₃ | O-acyl | F | O | 5-Fluorocytosine | Cl | H |
| CH ₃ | O-acyl | F | O | 8-Fluoroadenine | Cl | H |
| CH ₃ | O-acyl | F | O | 2-Fluoroadenine | Cl | H |
| CH ₃ | O-acyl | F | O | 2,8-Difluoroadenine | Cl | H |
| CH ₃ | O-acyl | F | O | 2-Fluorohypoxanthine | Cl | H |
| CH ₃ | O-acyl | F | O | 8-Fluorohypoxanthine | Cl | H |
| CH ₃ | O-acyl | F | O | 2,8-Difluorohypoxanthine | Cl | H |
| CH ₃ | O-acyl | F | O | 2-Aminoadenine | Cl | H |
| CH ₃ | O-acyl | F | O | 2-Amino-8-fluoroadenine | Cl | H |
| CH ₃ | O-acyl | F | O | 2-Amino-8-fluorohypoxanthine | Cl | H |
| CH ₃ | O-acyl | F | O | 2-Aminohypoxanthine | Cl | H |
| CH ₃ | O-acyl | F | O | 2-N-acetylguanine | Cl | H |
| CH ₃ | O-acyl | F | O | 4-N-acetylcytosine | Cl | H |
| CH ₃ | O-acyl | F | O | 6-N-acetyl原因 | Cl | H |
| CH ₃ | O-acyl | F | O | 2-N-acetyl-8-fluoroguanine | Cl | H |
| CH ₃ | O-acyl | F | O | 4-N-acetyl-5-fluorocytosine | Cl | H |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-fluoroadenine | Cl | H |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2,8-difluoroadenine | Cl | H |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-aminoadenine | Cl | H |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | H |
| CH ₃ | O-acyl | F | O | 2-N-acetyl原因 | Cl | H |
| CH ₃ | O-acyl | F | O | 2-N-acetyl原因-8-fluoroadenine | Cl | H |
| CH ₃ | O-acyl | F | O | 2-N-acetyl原因-8-fluorohypoxanthine | Cl | H |
| CH ₃ | O-acyl | F | O | 2-N-acetyl原因hypoxanthine | Cl | H |
| CH ₃ | O-acyl | F | O | Thymine | Cl | O-amino acid |
| CH ₃ | O-acyl | F | O | Uracil | Cl | O-amino acid |
| CH ₃ | O-acyl | F | O | Guanine | Cl | O-amino acid |
| CH ₃ | O-acyl | F | O | Cytosine | Cl | O-amino acid |
| CH ₃ | O-acyl | F | O | Adenine | Cl | O-amino acid |
| CH ₃ | O-acyl | F | O | Hypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | F | O | 5-Fluorouracil | Cl | O-amino acid |
| CH ₃ | O-acyl | F | O | 8-Fluoroguanine | Cl | O-amino acid |
| CH ₃ | O-acyl | F | O | 5-Fluorocytosine | Cl | O-amino acid |
| CH ₃ | O-acyl | F | O | 8-Fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-Fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | F | O | 2,8-Difluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-Fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | F | O | 8-Fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | F | O | 2,8-Difluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-Aminoadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-Amino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-Amino-8-fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-Aminohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-N-acetylguanine | Cl | O-amino acid |
| CH ₃ | O-acyl | F | O | 4-N-acetylcytosine | Cl | O-amino acid |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | F | O | 6-N-acetyl原因 | Cl | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-N-acetyl-8-fluoroguanine | Cl | O-amino acid |
| CH ₃ | O-acyl | F | O | 4-N-acetyl-5-fluorocytosine | Cl | O-amino acid |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2,8-difluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-aminoadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-N-acetylaminoadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-N-acetyl-amino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-N-acetylaminohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | F | O | Thymine | H | H |
| CH ₃ | O-acyl | F | O | Uracil | H | H |
| CH ₃ | O-acyl | F | O | Guanine | H | H |
| CH ₃ | O-acyl | F | O | Cytosine | H | H |
| CH ₃ | O-acyl | F | O | Adenine | H | H |
| CH ₃ | O-acyl | F | O | Hypoxanthine | H | H |
| CH ₃ | O-acyl | F | O | 5-Fluorouracil | H | H |
| CH ₃ | O-acyl | F | O | 8-Fluoroguanine | H | H |
| CH ₃ | O-acyl | F | O | 5-Fluorocytosine | H | H |
| CH ₃ | O-acyl | F | O | 8-Fluoroadenine | H | H |
| CH ₃ | O-acyl | F | O | 2-Fluoroadenine | H | H |
| CH ₃ | O-acyl | F | O | 2,8-Difluoroadenine | H | H |
| CH ₃ | O-acyl | F | O | 2-Fluorohypoxanthine | H | H |
| CH ₃ | O-acyl | F | O | 8-Fluorohypoxanthine | H | H |
| CH ₃ | O-acyl | F | O | 2,8-Difluorohypoxanthine | H | H |
| CH ₃ | O-acyl | F | O | 2-Aminoadenine | H | H |
| CH ₃ | O-acyl | F | O | 2-Amino-8-fluoroadenine | H | H |
| CH ₃ | O-acyl | F | O | 2-Amino-8-fluorohypoxanthine | H | H |
| CH ₃ | O-acyl | F | O | 2-Aminohypoxanthine | H | H |
| CH ₃ | O-acyl | F | O | 2-N-acetyl原因 | H | H |
| CH ₃ | O-acyl | F | O | 4-N-acetyl原因 | H | H |
| CH ₃ | O-acyl | F | O | 6-N-acetyl原因 | H | H |
| CH ₃ | O-acyl | F | O | 2-N-acetyl-8-fluoroguanine | H | H |
| CH ₃ | O-acyl | F | O | 4-N-acetyl-5-fluorocytosine | H | H |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-fluoroadenine | H | H |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2,8-difluoroadenine | H | H |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-aminoadenine | H | H |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | H |
| CH ₃ | O-acyl | F | O | 2-N-acetylaminoadenine | H | H |
| CH ₃ | O-acyl | F | O | 2-N-acetyl-amino-8-fluoroadenine | H | H |
| CH ₃ | O-acyl | F | O | 2-N-acetyl-amino-8-fluorohypoxanthine | H | H |
| CH ₃ | O-acyl | F | O | 2-N-acetylaminohypoxanthine | H | H |
| CH ₃ | O-acyl | F | O | Thymine | H | O-amino acid |
| CH ₃ | O-acyl | F | O | Uracil | H | O-amino acid |
| CH ₃ | O-acyl | F | O | Guanine | H | O-amino acid |
| CH ₃ | O-acyl | F | O | Cytosine | H | O-amino acid |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | F | O | Adenine | H | O-amino acid |
| CH ₃ | O-acyl | F | O | Hypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | F | O | 5-Fluorouracil | H | O-amino acid |
| CH ₃ | O-acyl | F | O | 8-Fluoroguanine | H | O-amino acid |
| CH ₃ | O-acyl | F | O | 5-Fluorocytosine | H | O-amino acid |
| CH ₃ | O-acyl | F | O | 8-Fluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-Fluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | F | O | 2,8-Difluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-Fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | F | O | 8-Fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | F | O | 2,8-Difluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-Aminoadenine | H | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-Amino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-Amino-8-fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-Aminohypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-N-acetylguanine | H | O-amino acid |
| CH ₃ | O-acyl | F | O | 4-N-acetylcytosine | H | O-amino acid |
| CH ₃ | O-acyl | F | O | 6-N-acetyl原因 | H | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-N-acetyl-8-fluoroguanine | H | O-amino acid |
| CH ₃ | O-acyl | F | O | 4-N-acetyl-5-fluorocytosine | H | O-amino acid |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-fluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2,8-difluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-aminoadenine | H | O-amino acid |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-N-acetylaminoadenine | H | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-N-acetyl-amino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-N-acetyl-amino-8-fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | F | O | 2-N-acetylaminohypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | F | O | Thymine | H | O-acyl |
| CH ₃ | O-acyl | F | O | Uracil | H | O-acyl |
| CH ₃ | O-acyl | F | O | Guanine | H | O-acyl |
| CH ₃ | O-acyl | F | O | Cytosine | H | O-acyl |
| CH ₃ | O-acyl | F | O | Adenine | H | O-acyl |
| CH ₃ | O-acyl | F | O | Hypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | F | O | 5-Fluorouracil | H | O-acyl |
| CH ₃ | O-acyl | F | O | 8-Fluoroguanine | H | O-acyl |
| CH ₃ | O-acyl | F | O | 5-Fluorocytosine | H | O-acyl |
| CH ₃ | O-acyl | F | O | 8-Fluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | F | O | 2-Fluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | F | O | 2,8-Difluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | F | O | 2-Fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | F | O | 8-Fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | F | O | 2,8-Difluorohypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | F | O | 2-Aminoadenine | H | O-acyl |
| CH ₃ | O-acyl | F | O | 2-Amino-8-fluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | F | O | 2-Amino-8-fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | F | O | 2-Aminohypoxanthine | H | O-acyl |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | F | O | 2-N-acetylguanine | H | O-acyl |
| CH ₃ | O-acyl | F | O | 4-N-acetylcytosine | H | O-acyl |
| CH ₃ | O-acyl | F | O | 6-N-acetyl原因 | H | O-acyl |
| CH ₃ | O-acyl | F | O | 2-N-acetyl-8-fluoroguanine | H | O-acyl |
| CH ₃ | O-acyl | F | O | 4-N-acetyl-5-fluorocytosine | H | O-acyl |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-fluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2,8-difluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-aminoadenine | H | O-acyl |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | F | O | 2-N-acetyl原因 | H | O-acyl |
| CH ₃ | O-acyl | F | O | 2-N-acetyl原因-8-fluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | F | O | 2-N-acetyl原因-8-fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | F | O | 2-N-acetyl原因hypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | F | O | Thymine | H | OH |
| CH ₃ | O-acyl | F | O | Uracil | H | OH |
| CH ₃ | O-acyl | F | O | Guanine | H | OH |
| CH ₃ | O-acyl | F | O | Cytosine | H | OH |
| CH ₃ | O-acyl | F | O | Adenine | H | OH |
| CH ₃ | O-acyl | F | O | Hypoxanthine | H | OH |
| CH ₃ | O-acyl | F | O | 5-Fluorouracil | H | OH |
| CH ₃ | O-acyl | F | O | 8-Fluoroguanine | H | OH |
| CH ₃ | O-acyl | F | O | 5-Fluorocytosine | H | OH |
| CH ₃ | O-acyl | F | O | 8-Fluoroadenine | H | OH |
| CH ₃ | O-acyl | F | O | 2-Fluoroadenine | H | OH |
| CH ₃ | O-acyl | F | O | 2,8-Difluoroadenine | H | OH |
| CH ₃ | O-acyl | F | O | 2-Fluorohypoxanthine | H | OH |
| CH ₃ | O-acyl | F | O | 8-Fluorohypoxanthine | H | OH |
| CH ₃ | O-acyl | F | O | 2,8-Difluorohypoxanthine | H | OH |
| CH ₃ | O-acyl | F | O | 2-Aminoadenine | H | OH |
| CH ₃ | O-acyl | F | O | 2-Amino-8-fluoroadenine | H | OH |
| CH ₃ | O-acyl | F | O | 2-Amino-8-fluorohypoxanthine | H | OH |
| CH ₃ | O-acyl | F | O | 2-Aminohypoxanthine | H | OH |
| CH ₃ | O-acyl | F | O | 2-N-acetyl原因 | H | OH |
| CH ₃ | O-acyl | F | O | 4-N-acetylcytosine | H | OH |
| CH ₃ | O-acyl | F | O | 6-N-acetyl原因 | H | OH |
| CH ₃ | O-acyl | F | O | 2-N-acetyl-8-fluoroguanine | H | OH |
| CH ₃ | O-acyl | F | O | 4-N-acetyl-5-fluorocytosine | H | OH |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-fluoroadenine | H | OH |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2,8-difluoroadenine | H | OH |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-aminoadenine | H | OH |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | OH |
| CH ₃ | O-acyl | F | O | 2-N-acetyl原因 | H | OH |
| CH ₃ | O-acyl | F | O | 2-N-acetyl原因-8-fluoroadenine | H | OH |
| CH ₃ | O-acyl | F | O | 2-N-acetyl原因-8-fluorohypoxanthine | H | OH |
| CH ₃ | O-acyl | F | O | 2-N-acetyl原因hypoxanthine | H | OH |
| CH ₃ | O-acyl | F | O | Thymine | OH | H |
| CH ₃ | O-acyl | F | O | Uracil | OH | H |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | F | O | Guanine | OH | H |
| CH ₃ | O-acyl | F | O | Cytosine | OH | H |
| CH ₃ | O-acyl | F | O | Adenine | OH | H |
| CH ₃ | O-acyl | F | O | Hypoxanthine | OH | H |
| CH ₃ | O-acyl | F | O | 5-Fluorouracil | OH | H |
| CH ₃ | O-acyl | F | O | 8-Fluoroguanine | OH | H |
| CH ₃ | O-acyl | F | O | 5-Fluorocytosine | OH | H |
| CH ₃ | O-acyl | F | O | 8-Fluoroadenine | OH | H |
| CH ₃ | O-acyl | F | O | 2-Fluoroadenine | OH | H |
| CH ₃ | O-acyl | F | O | 2,8-Difluoroadenine | OH | H |
| CH ₃ | O-acyl | F | O | 2-Fluorohypoxanthine | OH | H |
| CH ₃ | O-acyl | F | O | 8-Fluorohypoxanthine | OH | H |
| CH ₃ | O-acyl | F | O | 2,8-Difluorohypoxanthine | OH | H |
| CH ₃ | O-acyl | F | O | 2-Aminoadenine | OH | H |
| CH ₃ | O-acyl | F | O | 2-Amino-8-fluoroadenine | OH | H |
| CH ₃ | O-acyl | F | O | 2-Amino-8-fluorohypoxanthine | OH | H |
| CH ₃ | O-acyl | F | O | 2-Aminohypoxanthine | OH | H |
| CH ₃ | O-acyl | F | O | 2-N-acetylguanine | OH | H |
| CH ₃ | O-acyl | F | O | 4-N-acetylcytosine | OH | H |
| CH ₃ | O-acyl | F | O | 6-N-acetyl原因 | OH | H |
| CH ₃ | O-acyl | F | O | 2-N-acetyl-8-fluoroguanine | OH | H |
| CH ₃ | O-acyl | F | O | 4-N-acetyl-5-fluorocytosine | OH | H |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-fluoroadenine | OH | H |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2,8-difluoroadenine | OH | H |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-aminoadenine | OH | H |
| CH ₃ | O-acyl | F | O | 6-N-acetyl-2-amino-8-fluoroadenine | OH | H |
| CH ₃ | O-acyl | F | O | 2-N-acetyl原因 | OH | H |
| CH ₃ | O-acyl | F | O | 2-N-acetyl原因-8-fluoroadenine | OH | H |
| CH ₃ | O-acyl | F | O | 2-N-acetyl原因-8-fluorohypoxanthine | OH | H |
| CH ₃ | O-acyl | F | O | 2-N-acetyl原因hypoxanthine | OH | H |
| CH ₃ | O-acyl | Br | O | Thymine | F | H |
| CH ₃ | O-acyl | Br | O | Uracil | F | H |
| CH ₃ | O-acyl | Br | O | Guanine | F | H |
| CH ₃ | O-acyl | Br | O | Cytosine | F | H |
| CH ₃ | O-acyl | Br | O | Adenine | F | H |
| CH ₃ | O-acyl | Br | O | Hypoxanthine | F | H |
| CH ₃ | O-acyl | Br | O | 5-Fluorouracil | F | H |
| CH ₃ | O-acyl | Br | O | 8-Fluoroguanine | F | H |
| CH ₃ | O-acyl | Br | O | 5-Fluorocytosine | F | H |
| CH ₃ | O-acyl | Br | O | 8-Fluoroadenine | F | H |
| CH ₃ | O-acyl | Br | O | 2-Fluoroadenine | F | H |
| CH ₃ | O-acyl | Br | O | 2,8-Difluoroadenine | F | H |
| CH ₃ | O-acyl | Br | O | 2-Fluorohypoxanthine | F | H |
| CH ₃ | O-acyl | Br | O | 8-Fluorohypoxanthine | F | H |
| CH ₃ | O-acyl | Br | O | 2,8-Difluorohypoxanthine | F | H |
| CH ₃ | O-acyl | Br | O | 2-Aminoadenine | F | H |
| CH ₃ | O-acyl | Br | O | 2-Amino-8-fluoroadenine | F | H |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|--------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | Br | O | 2-Amino-8-fluorohypoxanthine | F | H |
| CH ₃ | O-acyl | Br | O | 2-Aminohypoxanthine | F | H |
| CH ₃ | O-acyl | Br | O | 2-N-acetylguanine | F | H |
| CH ₃ | O-acyl | Br | O | 4-N-acetylcytosine | F | H |
| CH ₃ | O-acyl | Br | O | 6-N-acetyladenine | F | H |
| CH ₃ | O-acyl | Br | O | 2-N-acetyl-8-fluoroguanine | F | H |
| CH ₃ | O-acyl | Br | O | 4-N-acetyl-5-fluorocytosine | F | H |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-fluoroadenine | F | H |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2,8-difluoroadenine | F | H |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-aminoadenine | F | H |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | H |
| CH ₃ | O-acyl | Br | O | 2-N-acetylaminoadenine | F | H |
| CH ₃ | O-acyl | Br | O | 2-N-acetylamino-8-fluoroadenine | F | H |
| CH ₃ | O-acyl | Br | O | 2-N-acetylamino-8-fluorohypoxanthine | F | H |
| CH ₃ | O-acyl | Br | O | 2-N-acetylaminohypoxanthine | F | H |
| CH ₃ | O-acyl | Br | O | Thymine | F | O-amino acid |
| CH ₃ | O-acyl | Br | O | Uracil | F | O-amino acid |
| CH ₃ | O-acyl | Br | O | Guanine | F | O-amino acid |
| CH ₃ | O-acyl | Br | O | Cytosine | F | O-amino acid |
| CH ₃ | O-acyl | Br | O | Adenine | F | O-amino acid |
| CH ₃ | O-acyl | Br | O | Hypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | Br | O | 5-Fluorouracil | F | O-amino acid |
| CH ₃ | O-acyl | Br | O | 8-Fluoroguanine | F | O-amino acid |
| CH ₃ | O-acyl | Br | O | 5-Fluorocytosine | F | O-amino acid |
| CH ₃ | O-acyl | Br | O | 8-Fluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-Fluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2,8-Difluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-Fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | Br | O | 8-Fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2,8-Difluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-Aminoadenine | F | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-Amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-Amino-8-fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-Aminohypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-N-acetylguanine | F | O-amino acid |
| CH ₃ | O-acyl | Br | O | 4-N-acetylcytosine | F | O-amino acid |
| CH ₃ | O-acyl | Br | O | 6-N-acetyladenine | F | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-N-acetyl-8-fluoroguanine | F | O-amino acid |
| CH ₃ | O-acyl | Br | O | 4-N-acetyl-5-fluorocytosine | F | O-amino acid |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-fluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2,8-difluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-aminoadenine | F | O-amino acid |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-N-acetylaminoadenine | F | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-N-acetylamino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-N-acetylamino-8-fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-N-acetylaminohypoxanthine | F | O-amino acid |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | Br | O | Thymine | F | O-acyl |
| CH ₃ | O-acyl | Br | O | Uracil | F | O-acyl |
| CH ₃ | O-acyl | Br | O | Guanine | F | O-acyl |
| CH ₃ | O-acyl | Br | O | Cytosine | F | O-acyl |
| CH ₃ | O-acyl | Br | O | Adenine | F | O-acyl |
| CH ₃ | O-acyl | Br | O | Hypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | Br | O | 5-Fluorouracil | F | O-acyl |
| CH ₃ | O-acyl | Br | O | 8-Fluoroguanine | F | O-acyl |
| CH ₃ | O-acyl | Br | O | 5-Fluorocytosine | F | O-acyl |
| CH ₃ | O-acyl | Br | O | 8-Fluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-Fluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | Br | O | 2,8-Difluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-Fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | Br | O | 8-Fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | Br | O | 2,8-Difluorohypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-Aminoadenine | F | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-Amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-Amino-8-fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-Aminohypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-N-acetylguanine | F | O-acyl |
| CH ₃ | O-acyl | Br | O | 4-N-acetylcytosine | F | O-acyl |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl原因 | F | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-N-acetyl-8-fluoroguanine | F | O-acyl |
| CH ₃ | O-acyl | Br | O | 4-N-acetyl-5-fluorocytosine | F | O-acyl |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-fluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2,8-difluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-aminoadenine | F | O-acyl |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-N-acetylaminoadenine | F | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-N-acetyl-amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-N-acetyl-amino-8-fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-N-acetylaminohypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | Br | O | Thymine | F | OH |
| CH ₃ | O-acyl | Br | O | Uracil | F | OH |
| CH ₃ | O-acyl | Br | O | Guanine | F | OH |
| CH ₃ | O-acyl | Br | O | Cytosine | F | OH |
| CH ₃ | O-acyl | Br | O | Adenine | F | OH |
| CH ₃ | O-acyl | Br | O | Hypoxanthine | F | OH |
| CH ₃ | O-acyl | Br | O | 5-Fluorouracil | F | OH |
| CH ₃ | O-acyl | Br | O | 8-Fluoroguanine | F | OH |
| CH ₃ | O-acyl | Br | O | 5-Fluorocytosine | F | OH |
| CH ₃ | O-acyl | Br | O | 8-Fluoroadenine | F | OH |
| CH ₃ | O-acyl | Br | O | 2-Fluoroadenine | F | OH |
| CH ₃ | O-acyl | Br | O | 2,8-Difluoroadenine | F | OH |
| CH ₃ | O-acyl | Br | O | 2-Fluorohypoxanthine | F | OH |
| CH ₃ | O-acyl | Br | O | 8-Fluorohypoxanthine | F | OH |
| CH ₃ | O-acyl | Br | O | 2,8-Difluorohypoxanthine | F | OH |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|----|--------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | Br | O | 2-Aminoadenine | F | OH |
| CH ₃ | O-acyl | Br | O | 2-Amino-8-fluoroadenine | F | OH |
| CH ₃ | O-acyl | Br | O | 2-Amino-8-fluorohypoxanthine | F | OH |
| CH ₃ | O-acyl | Br | O | 2-Aminohypoxanthine | F | OH |
| CH ₃ | O-acyl | Br | O | 2-N-acetylguanine | F | OH |
| CH ₃ | O-acyl | Br | O | 4-N-acetylcytosine | F | OH |
| CH ₃ | O-acyl | Br | O | 6-N-acetyladenine | F | OH |
| CH ₃ | O-acyl | Br | O | 2-N-acetyl-8-fluoroguanine | F | OH |
| CH ₃ | O-acyl | Br | O | 4-N-acetyl-5-fluorocytosine | F | OH |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-fluoroadenine | F | OH |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2,8-difluoroadenine | F | OH |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-aminoadenine | F | OH |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | OH |
| CH ₃ | O-acyl | Br | O | 2-N-acetylaminoadenine | F | OH |
| CH ₃ | O-acyl | Br | O | 2-N-acetylamino-8-fluoroadenine | F | OH |
| CH ₃ | O-acyl | Br | O | 2-N-acetylamino-8-fluorohypoxanthine | F | OH |
| CH ₃ | O-acyl | Br | O | 2-N-acetylaminohypoxanthine | F | OH |
| CH ₃ | O-acyl | Br | O | Thymine | Br | H |
| CH ₃ | O-acyl | Br | O | Uracil | Br | H |
| CH ₃ | O-acyl | Br | O | Guanine | Br | H |
| CH ₃ | O-acyl | Br | O | Cytosine | Br | H |
| CH ₃ | O-acyl | Br | O' | Adenine | Br | H |
| CH ₃ | O-acyl | Br | O | Hypoxanthine | Br | H |
| CH ₃ | O-acyl | Br | O | 5-Fluorouracil | Br | H |
| CH ₃ | O-acyl | Br | O | 8-Fluoroguanine | Br | H |
| CH ₃ | O-acyl | Br | O | 5-Fluorocytosine | Br | H |
| CH ₃ | O-acyl | Br | O | 8-Fluoroadenine | Br | H |
| CH ₃ | O-acyl | Br | O | 2-Fluoroadenine | Br | H |
| CH ₃ | O-acyl | Br | O | 2,8-Difluoroadenine | Br | H |
| CH ₃ | O-acyl | Br | O | 2-Fluorohypoxanthine | Br | H |
| CH ₃ | O-acyl | Br | O | 8-Fluorohypoxanthine | Br | H |
| CH ₃ | O-acyl | Br | O | 2,8-Difluorohypoxanthine | Br | H |
| CH ₃ | O-acyl | Br | O | 2-Aminoadenine | Br | H |
| CH ₃ | O-acyl | Br | O | 2-Amino-8-fluoroadenine | Br | H |
| CH ₃ | O-acyl | Br | O | 2-Amino-8-fluorohypoxanthine | Br | H |
| CH ₃ | O-acyl | Br | O | 2-Aminohypoxanthine | Br | H |
| CH ₃ | O-acyl | Br | O | 2-N-acetylguanine | Br | H |
| CH ₃ | O-acyl | Br | O | 4-N-acetylcytosine | Br | H |
| CH ₃ | O-acyl | Br | O | 6-N-acetyladenine | Br | H |
| CH ₃ | O-acyl | Br | O | 2-N-acetyl-8-fluoroguanine | Br | H |
| CH ₃ | O-acyl | Br | O | 4-N-acetyl-5-fluorocytosine | Br | H |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-fluoroadenine | Br | H |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2,8-difluoroadenine | Br | H |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-aminoadenine | Br | H |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | H |
| CH ₃ | O-acyl | Br | O | 2-N-acetylaminoadenine | Br | H |
| CH ₃ | O-acyl | Br | O | 2-N-acetylamino-8-fluoroadenine | Br | H |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|--------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | Br | O | 2-N-acetylamino-8-fluorohypoxanthine | Br | H |
| CH ₃ | O-acyl | Br | O | 2-N-acetylaminohypoxanthine | Br | H |
| CH ₃ | O-acyl | Br | O | Thymine | Br | O-amino acid |
| CH ₃ | O-acyl | Br | O | Uracil | Br | O-amino acid |
| CH ₃ | O-acyl | Br | O | Guanine | Br | O-amino acid |
| CH ₃ | O-acyl | Br | O | Cytosine | Br | O-amino acid |
| CH ₃ | O-acyl | Br | O | Adenine | Br | O-amino acid |
| CH ₃ | O-acyl | Br | O | Hypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | Br | O | 5-Fluorouracil | Br | O-amino acid |
| CH ₃ | O-acyl | Br | O | 8-Fluoroguanine | Br | O-amino acid |
| CH ₃ | O-acyl | Br | O | 5-Fluorocytosine | Br | O-amino acid |
| CH ₃ | O-acyl | Br | O | 8-Fluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-Fluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2,8-Difluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-Fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | Br | O | 8-Fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2,8-Difluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-Aminoadenine | Br | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-Amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-Amino-8-fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-Aminohypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-N-acetylguanine | Br | O-amino acid |
| CH ₃ | O-acyl | Br | O | 4-N-acetylcytosine | Br | O-amino acid |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl原因 | Br | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-N-acetyl-8-fluoroguanine | Br | O-amino acid |
| CH ₃ | O-acyl | Br | O | 4-N-acetyl-5-fluorocytosine | Br | O-amino acid |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2,8-difluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-aminoadenine | Br | O-amino acid |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-N-acetylaminoadenine | Br | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-N-acetylamino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-N-acetylamino-8-fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-N-acetylaminohypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | Br | O | Thymine | Br | O-acyl |
| CH ₃ | O-acyl | Br | O | Uracil | Br | O-acyl |
| CH ₃ | O-acyl | Br | O | Guanine | Br | O-acyl |
| CH ₃ | O-acyl | Br | O | Cytosine | Br | O-acyl |
| CH ₃ | O-acyl | Br | O | Adenine | Br | O-acyl |
| CH ₃ | O-acyl | Br | O | Hypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | Br | O | 5-Fluorouracil | Br | O-acyl |
| CH ₃ | O-acyl | Br | O | 8-Fluoroguanine | Br | O-acyl |
| CH ₃ | O-acyl | Br | O | 5-Fluorocytosine | Br | O-acyl |
| CH ₃ | O-acyl | Br | O | 8-Fluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-Fluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | Br | O | 2,8-Difluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-Fluorohypoxanthine | Br | O-acyl |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | Br | O | 8-Fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | Br | O | 2,8-Difluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-Aminoadenine | Br | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-Amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-Amino-8-fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-Aminohypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-N-acetylguanine | Br | O-acyl |
| CH ₃ | O-acyl | Br | O | 4-N-acetylcytosine | Br | O-acyl |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl原因 | Br | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-N-acetyl-8-fluoroguanine | Br | O-acyl |
| CH ₃ | O-acyl | Br | O | 4-N-acetyl-5-fluorocytosine | Br | O-acyl |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-fluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2,8-difluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-aminoadenine | Br | O-acyl |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-N-acetyl原因 | Br | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-N-acetyl原因-8-fluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-N-acetyl原因-8-fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-N-acetyl原因hypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | Br | O | Thymine | Br | OH |
| CH ₃ | O-acyl | Br | O | Uracil | Br | OH |
| CH ₃ | O-acyl | Br | O | Guanine | Br | OH |
| CH ₃ | O-acyl | Br | O | Cytosine | Br | OH |
| CH ₃ | O-acyl | Br | O | Adenine | Br | OH |
| CH ₃ | O-acyl | Br | O | Hypoxanthine | Br | OH |
| CH ₃ | O-acyl | Br | O | 5-Fluorouracil | Br | OH |
| CH ₃ | O-acyl | Br | O | 8-Fluoroguanine | Br | OH |
| CH ₃ | O-acyl | Br | O | 5-Fluorocytosine | Br | OH |
| CH ₃ | O-acyl | Br | O | 8-Fluoroadenine | Br | OH |
| CH ₃ | O-acyl | Br | O | 2-Fluoroadenine | Br | OH |
| CH ₃ | O-acyl | Br | O | 2,8-Difluoroadenine | Br | OH |
| CH ₃ | O-acyl | Br | O | 2-Fluorohypoxanthine | Br | OH |
| CH ₃ | O-acyl | Br | O | 8-Fluorohypoxanthine | Br | OH |
| CH ₃ | O-acyl | Br | O | 2,8-Difluorohypoxanthine | Br | OH |
| CH ₃ | O-acyl | Br | O | 2-Aminoadenine | Br | OH |
| CH ₃ | O-acyl | Br | O | 2-Amino-8-fluoroadenine | Br | OH |
| CH ₃ | O-acyl | Br | O | 2-Amino-8-fluorohypoxanthine | Br | OH |
| CH ₃ | O-acyl | Br | O | 2-Aminohypoxanthine | Br | OH |
| CH ₃ | O-acyl | Br | O | 2-N-acetyl原因 | Br | OH |
| CH ₃ | O-acyl | Br | O | 4-N-acetylcytosine | Br | OH |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl原因 | Br | OH |
| CH ₃ | O-acyl | Br | O | 2-N-acetyl-8-fluoroguanine | Br | OH |
| CH ₃ | O-acyl | Br | O | 4-N-acetyl-5-fluorocytosine | Br | OH |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-fluoroadenine | Br | OH |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2,8-difluoroadenine | Br | OH |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-aminoadenine | Br | OH |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | OH |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|--------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | Br | O | 2-N-acetylaminoadenine | Br | OH |
| CH ₃ | O-acyl | Br | O | 2-N-acetylamino-8-fluoroadenine | Br | OH |
| CH ₃ | O-acyl | Br | O | 2-N-acetylamino-8-fluorohypoxanthine | Br | OH |
| CH ₃ | O-acyl | Br | O | 2-N-acetylaminohypoxanthine | Br | OH |
| CH ₃ | O-acyl | Br | O | Thymine | Cl | H |
| CH ₃ | O-acyl | Br | O | Uracil | Cl | H |
| CH ₃ | O-acyl | Br | O | Guanine | Cl | H |
| CH ₃ | O-acyl | Br | O | Cytosine | Cl | H |
| CH ₃ | O-acyl | Br | O | Adenine | Cl | H |
| CH ₃ | O-acyl | Br | O | Hypoxanthine | Cl | H |
| CH ₃ | O-acyl | Br | O | 5-Fluorouracil | Cl | H |
| CH ₃ | O-acyl | Br | O | 8-Fluoroguanine | Cl | H |
| CH ₃ | O-acyl | Br | O | 5-Fluorocytosine | Cl | H |
| CH ₃ | O-acyl | Br | O | 8-Fluoroadenine | Cl | H |
| CH ₃ | O-acyl | Br | O | 2-Fluoroadenine | Cl | H |
| CH ₃ | O-acyl | Br | O | 2,8-Difluoroadenine | Cl | H |
| CH ₃ | O-acyl | Br | O | 2-Fluorohypoxanthine | Cl | H |
| CH ₃ | O-acyl | Br | O | 8-Fluorohypoxanthine | Cl | H |
| CH ₃ | O-acyl | Br | O | 2,8-Difluorohypoxanthine | Cl | H |
| CH ₃ | O-acyl | Br | O | 2-Aminoadenine | Cl | H |
| CH ₃ | O-acyl | Br | O | 2-Amino-8-fluoroadenine | Cl | H |
| CH ₃ | O-acyl | Br | O | 2-Amino-8-fluorohypoxanthine | Cl | H |
| CH ₃ | O-acyl | Br | O | 2-Aminohypoxanthine | Cl | H |
| CH ₃ | O-acyl | Br | O | 2-N-acetylguanine | Cl | H |
| CH ₃ | O-acyl | Br | O | 4-N-acetylcytosine | Cl | H |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl adenine | Cl | H |
| CH ₃ | O-acyl | Br | O | 2-N-acetyl-8-fluoroguanine | Cl | H |
| CH ₃ | O-acyl | Br | O | 4-N-acetyl-5-fluorocytosine | Cl | H |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-fluoroadenine | Cl | H |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2,8-difluoroadenine | Cl | H |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-aminoadenine | Cl | H |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | H |
| CH ₃ | O-acyl | Br | O | 2-N-acetylaminoadenine | Cl | H |
| CH ₃ | O-acyl | Br | O | 2-N-acetylamino-8-fluoroadenine | Cl | H |
| CH ₃ | O-acyl | Br | O | 2-N-acetylamino-8-fluorohypoxanthine | Cl | H |
| CH ₃ | O-acyl | Br | O | 2-N-acetylaminohypoxanthine | Cl | H |
| CH ₃ | O-acyl | Br | O | Thymine | Cl | O-amino acid |
| CH ₃ | O-acyl | Br | O | Uracil | Cl | O-amino acid |
| CH ₃ | O-acyl | Br | O | Guanine | Cl | O-amino acid |
| CH ₃ | O-acyl | Br | O | Cytosine | Cl | O-amino acid |
| CH ₃ | O-acyl | Br | O | Adenine | Cl | O-amino acid |
| CH ₃ | O-acyl | Br | O | Hypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | Br | O | 5-Fluorouracil | Cl | O-amino acid |
| CH ₃ | O-acyl | Br | O | 8-Fluoroguanine | Cl | O-amino acid |
| CH ₃ | O-acyl | Br | O | 5-Fluorocytosine | Cl | O-amino acid |
| CH ₃ | O-acyl | Br | O | 8-Fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-Fluoroadenine | Cl | O-amino acid |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | Br | O | 2,8-Difluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-Fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | Br | O | 8-Fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2,8-Difluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-Aminoadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-Amino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-Amino-8-fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-Aminohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-N-acetylguanine | Cl | O-amino acid |
| CH ₃ | O-acyl | Br | O | 4-N-acetylcytosine | Cl | O-amino acid |
| CH ₃ | O-acyl | Br | O | 6-N-acetyladenine | Cl | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-N-acetyl-8-fluoroguanine | Cl | O-amino acid |
| CH ₃ | O-acyl | Br | O | 4-N-acetyl-5-fluorocytosine | Cl | O-amino acid |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2,8-difluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-aminoadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-N-acetylaminoadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-N-acetyl-amino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-N-acetylaminohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | Br | O | Thymine | Cl | O-acyl |
| CH ₃ | O-acyl | Br | O | Uracil | Cl | O-acyl |
| CH ₃ | O-acyl | Br | O | Guanine | Cl | O-acyl |
| CH ₃ | O-acyl | Br | O | Cytosine | Cl | O-acyl |
| CH ₃ | O-acyl | Br | O | Adenine | Cl | O-acyl |
| CH ₃ | O-acyl | Br | O | Hypoxanthine | Cl | O-acyl |
| CH ₃ | O-acyl | Br | O | 5-Fluorouracil | Cl | O-acyl |
| CH ₃ | O-acyl | Br | O | 8-Fluoroguanine | Cl | O-acyl |
| CH ₃ | O-acyl | Br | O | 5-Fluorocytosine | Cl | O-acyl |
| CH ₃ | O-acyl | Br | O | 8-Fluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-Fluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | Br | O | 2,8-Difluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-Fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-acyl | Br | O | 8-Fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-acyl | Br | O | 2,8-Difluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-Aminoadenine | Cl | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-Amino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-Amino-8-fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-Aminohypoxanthine | Cl | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-N-acetylguanine | Cl | O-acyl |
| CH ₃ | O-acyl | Br | O | 4-N-acetylcytosine | Cl | O-acyl |
| CH ₃ | O-acyl | Br | O | 6-N-acetyladenine | Cl | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-N-acetyl-8-fluoroguanine | Cl | O-acyl |
| CH ₃ | O-acyl | Br | O | 4-N-acetyl-5-fluorocytosine | Cl | O-acyl |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2,8-difluoroadenine | Cl | O-acyl |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-aminoadenine | Cl | O-acyl |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-N-acetylaminoadenine | Cl | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-N-acetyl-amino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-N-acetylaminohypoxanthine | Cl | O-acyl |
| CH ₃ | O-acyl | Br | O | Thymine | Cl | OH |
| CH ₃ | O-acyl | Br | O | Uracil | Cl | OH |
| CH ₃ | O-acyl | Br | O | Guanine | Cl | OH |
| CH ₃ | O-acyl | Br | O | Cytosine | Cl | OH |
| CH ₃ | O-acyl | Br | O | Adenine | Cl | OH |
| CH ₃ | O-acyl | Br | O | Hypoxanthine | Cl | OH |
| CH ₃ | O-acyl | Br | O | 5-Fluorouracil | Cl | OH |
| CH ₃ | O-acyl | Br | O | 8-Fluoroguanine | Cl | OH |
| CH ₃ | O-acyl | Br | O | 5-Fluorocytosine | Cl | OH |
| CH ₃ | O-acyl | Br | O | 8-Fluoroadenine | Cl | OH |
| CH ₃ | O-acyl | Br | O | 2-Fluoroadenine | Cl | OH |
| CH ₃ | O-acyl | Br | O | 2,8-Difluoroadenine | Cl | OH |
| CH ₃ | O-acyl | Br | O | 2-Fluorohypoxanthine | Cl | OH |
| CH ₃ | O-acyl | Br | O | 8-Fluorohypoxanthine | Cl | OH |
| CH ₃ | O-acyl | Br | O | 2,8-Difluorohypoxanthine | Cl | OH |
| CH ₃ | O-acyl | Br | O | 2-Aminoadenine | Cl | OH |
| CH ₃ | O-acyl | Br | O | 2-Amino-8-fluoroadenine | Cl | OH |
| CH ₃ | O-acyl | Br | O | 2-Amino-8-fluorohypoxanthine | Cl | OH |
| CH ₃ | O-acyl | Br | O | 2-Aminohypoxanthine | Cl | OH |
| CH ₃ | O-acyl | Br | O | 2-N-acetylguanine | Cl | OH |
| CH ₃ | O-acyl | Br | O | 4-N-acetylcytosine | Cl | OH |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-adenine | Cl | OH |
| CH ₃ | O-acyl | Br | O | 2-N-acetyl-8-fluoroguanine | Cl | OH |
| CH ₃ | O-acyl | Br | O | 4-N-acetyl-5-fluorocytosine | Cl | OH |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-fluoroadenine | Cl | OH |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2,8-difluoroadenine | Cl | OH |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-aminoadenine | Cl | OH |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | OH |
| CH ₃ | O-acyl | Br | O | 2-N-acetylaminoadenine | Cl | OH |
| CH ₃ | O-acyl | Br | O | 2-N-acetyl-amino-8-fluoroadenine | Cl | OH |
| CH ₃ | O-acyl | Br | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Cl | OH |
| CH ₃ | O-acyl | Br | O | 2-N-acetylaminohypoxanthine | Cl | OH |
| CH ₃ | O-acyl | Br | O | Thymine | H | H |
| CH ₃ | O-acyl | Br | O | Uracil | H | H |
| CH ₃ | O-acyl | Br | O | Guanine | H | H |
| CH ₃ | O-acyl | Br | O | Cytosine | H | H |
| CH ₃ | O-acyl | Br | O | Adenine | H | H |
| CH ₃ | O-acyl | Br | O | Hypoxanthine | H | H |
| CH ₃ | O-acyl | Br | O | 5-Fluorouracil | H | H |
| CH ₃ | O-acyl | Br | O | 8-Fluoroguanine | H | H |
| CH ₃ | O-acyl | Br | O | 5-Fluorocytosine | H | H |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | Br | O | 8-Fluoroadenine | H | H |
| CH ₃ | O-acyl | Br | O | 2-Fluoroadenine | H | H |
| CH ₃ | O-acyl | Br | O | 2,8-Difluoroadenine | H | H |
| CH ₃ | O-acyl | Br | O | 2-Fluorohypoxanthine | H | H |
| CH ₃ | O-acyl | Br | O | 8-Fluorohypoxanthine | H | H |
| CH ₃ | O-acyl | Br | O | 2,8-Difluorohypoxanthine | H | H |
| CH ₃ | O-acyl | Br | O | 2-Aminoadenine | H | H |
| CH ₃ | O-acyl | Br | O | 2-Amino-8-fluoroadenine | H | H |
| CH ₃ | O-acyl | Br | O | 2-Amino-8-fluorohypoxanthine | H | H |
| CH ₃ | O-acyl | Br | O | 2-Aminohypoxanthine | H | H |
| CH ₃ | O-acyl | Br | O | 2-N-acetylguanine | H | H |
| CH ₃ | O-acyl | Br | O | 4-N-acetylcytosine | H | H |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl原因 | H | H |
| CH ₃ | O-acyl | Br | O | 2-N-acetyl-8-fluoroguanine | H | H |
| CH ₃ | O-acyl | Br | O | 4-N-acetyl-5-fluorocytosine | H | H |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-fluoroadenine | H | H |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2,8-difluoroadenine | H | H |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-aminoadenine | H | H |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | H |
| CH ₃ | O-acyl | Br | O | 2-N-acetylaminoadenine | H | H |
| CH ₃ | O-acyl | Br | O | 2-N-acetyl-amino-8-fluoroadenine | H | H |
| CH ₃ | O-acyl | Br | O | 2-N-acetyl-amino-8-fluorohypoxanthine | H | H |
| CH ₃ | O-acyl | Br | O | 2-N-acetylaminohypoxanthine | H | H |
| CH ₃ | O-acyl | Br | O | Thymine | H | O-amino acid |
| CH ₃ | O-acyl | Br | O | Uracil | H | O-amino acid |
| CH ₃ | O-acyl | Br | O | Guanine | H | O-amino acid |
| CH ₃ | O-acyl | Br | O | Cytosine | H | O-amino acid |
| CH ₃ | O-acyl | Br | O | Adenine | H | O-amino acid |
| CH ₃ | O-acyl | Br | O | Hypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | Br | O | 5-Fluorouracil | H | O-amino acid |
| CH ₃ | O-acyl | Br | O | 8-Fluoroguanine | H | O-amino acid |
| CH ₃ | O-acyl | Br | O | 5-Fluorocytosine | H | O-amino acid |
| CH ₃ | O-acyl | Br | O | 8-Fluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-Fluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2,8-Difluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-Fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | Br | O | 8-Fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2,8-Difluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-Aminoadenine | H | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-Amino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-Amino-8-fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-Aminohypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-N-acetylguanine | H | O-amino acid |
| CH ₃ | O-acyl | Br | O | 4-N-acetylcytosine | H | O-amino acid |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl原因 | H | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-N-acetyl-8-fluoroguanine | H | O-amino acid |
| CH ₃ | O-acyl | Br | O | 4-N-acetyl-5-fluorocytosine | H | O-amino acid |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|--------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-fluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2,8-difluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-aminoadenine | H | O-amino acid |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-N-acetylaminoadenine | H | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-N-acetylamino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-N-acetylamino-8-fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | Br | O | 2-N-acetylaminohypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | Br | O | Thymine | H | O-acyl |
| CH ₃ | O-acyl | Br | O | Uracil | H | O-acyl |
| CH ₃ | O-acyl | Br | O | Guanine | H | O-acyl |
| CH ₃ | O-acyl | Br | O | Cytosine | H | O-acyl |
| CH ₃ | O-acyl | Br | O | Adenine | H | O-acyl |
| CH ₃ | O-acyl | Br | O | Hypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | Br | O | 5-Fluorouracil | H | O-acyl |
| CH ₃ | O-acyl | Br | O | 8-Fluoroguanine | H | O-acyl |
| CH ₃ | O-acyl | Br | O | 5-Fluorocytosine | H | O-acyl |
| CH ₃ | O-acyl | Br | O | 8-Fluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-Fluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | Br | O | 2,8-Difluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-Fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | Br | O | 8-Fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | Br | O | 2,8-Difluorohypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-Aminoadenine | H | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-Amino-8-fluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-Amino-8-fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-Aminohypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-N-acetylguanine | H | O-acyl |
| CH ₃ | O-acyl | Br | O | 4-N-acetylcytosine | H | O-acyl |
| CH ₃ | O-acyl | Br | O | 6-N-acetyladenine | H | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-N-acetyl-8-fluoroguanine | H | O-acyl |
| CH ₃ | O-acyl | Br | O | 4-N-acetyl-5-fluorocytosine | H | O-acyl |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-fluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2,8-difluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-aminoadenine | H | O-acyl |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-N-acetylaminoadenine | H | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-N-acetylamino-8-fluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-N-acetylamino-8-fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | Br | O | 2-N-acetylaminohypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | Br | O | Thymine | H | OH |
| CH ₃ | O-acyl | Br | O | Uracil | H | OH |
| CH ₃ | O-acyl | Br | O | Guanine | H | OH |
| CH ₃ | O-acyl | Br | O | Cytosine | H | OH |
| CH ₃ | O-acyl | Br | O | Adenine | H | OH |
| CH ₃ | O-acyl | Br | O | Hypoxanthine | H | OH |
| CH ₃ | O-acyl | Br | O | 5-Fluorouracil | H | OH |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | Br | O | 8-Fluoroguanine | H | OH |
| CH ₃ | O-acyl | Br | O | 5-Fluorocytosine | H | OH |
| CH ₃ | O-acyl | Br | O | 8-Fluoroadenine | H | OH |
| CH ₃ | O-acyl | Br | O | 2-Fluoroadenine | H | OH |
| CH ₃ | O-acyl | Br | O | 2,8-Difluoroadenine | H | OH |
| CH ₃ | O-acyl | Br | O | 2-Fluorohypoxanthine | H | OH |
| CH ₃ | O-acyl | Br | O | 8-Fluorohypoxanthine | H | OH |
| CH ₃ | O-acyl | Br | O | 2,8-Difluorohypoxanthine | H | OH |
| CH ₃ | O-acyl | Br | O | 2-Aminoadenine | H | OH |
| CH ₃ | O-acyl | Br | O | 2-Amino-8-fluoroadenine | H | OH |
| CH ₃ | O-acyl | Br | O | 2-Amino-8-fluorohypoxanthine | H | OH |
| CH ₃ | O-acyl | Br | O | 2-Aminohypoxanthine | H | OH |
| CH ₃ | O-acyl | Br | O | 2-N-acetylguanine | H | OH |
| CH ₃ | O-acyl | Br | O | 4-N-acetylcytosine | H | OH |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl原因 | H | OH |
| CH ₃ | O-acyl | Br | O | 2-N-acetyl-8-fluoroguanine | H | OH |
| CH ₃ | O-acyl | Br | O | 4-N-acetyl-5-fluorocytosine | H | OH |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-fluoroadenine | H | OH |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2,8-difluoroadenine | H | OH |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-aminoadenine | H | OH |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | OH |
| CH ₃ | O-acyl | Br | O | 2-N-acetylaminoadenine | H | OH |
| CH ₃ | O-acyl | Br | O | 2-N-acetyl-amino-8-fluoroadenine | H | OH |
| CH ₃ | O-acyl | Br | O | 2-N-acetyl-amino-8-fluorohypoxanthine | H | OH |
| CH ₃ | O-acyl | Br | O | 2-N-acetylaminohypoxanthine | H | OH |
| CH ₃ | O-acyl | Br | O | Thymine | OH | H |
| CH ₃ | O-acyl | Br | O | Uracil | OH | H |
| CH ₃ | O-acyl | Br | O | Guanine | OH | H |
| CH ₃ | O-acyl | Br | O | Cytosine | OH | H |
| CH ₃ | O-acyl | Br | O | Adenine | OH | H |
| CH ₃ | O-acyl | Br | O | Hypoxanthine | OH | H |
| CH ₃ | O-acyl | Br | O | 5-Fluorouracil | OH | H |
| CH ₃ | O-acyl | Br | O | 8-Fluoroguanine | OH | H |
| CH ₃ | O-acyl | Br | O | 5-Fluorocytosine | OH | H |
| CH ₃ | O-acyl | Br | O | 8-Fluoroadenine | OH | H |
| CH ₃ | O-acyl | Br | O | 2-Fluoroadenine | OH | H |
| CH ₃ | O-acyl | Br | O | 2,8-Difluoroadenine | OH | H |
| CH ₃ | O-acyl | Br | O | 2-Fluorohypoxanthine | OH | H |
| CH ₃ | O-acyl | Br | O | 8-Fluorohypoxanthine | OH | H |
| CH ₃ | O-acyl | Br | O | 2,8-Difluorohypoxanthine | OH | H |
| CH ₃ | O-acyl | Br | O | 2-Aminoadenine | OH | H |
| CH ₃ | O-acyl | Br | O | 2-Amino-8-fluoroadenine | OH | H |
| CH ₃ | O-acyl | Br | O | 2-Amino-8-fluorohypoxanthine | OH | H |
| CH ₃ | O-acyl | Br | O | 2-Aminohypoxanthine | OH | H |
| CH ₃ | O-acyl | Br | O | 2-N-acetylguanine | OH | H |
| CH ₃ | O-acyl | Br | O | 4-N-acetylcytosine | OH | H |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl原因 | OH | H |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | Br | O | 2-N-acetyl-8-fluoroguanine | OH | H |
| CH ₃ | O-acyl | Br | O | 4-N-acetyl-5-fluorocytosine | OH | H |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-fluoroadenine | OH | H |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2,8-difluoroadenine | OH | H |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-aminoadenine | OH | H |
| CH ₃ | O-acyl | Br | O | 6-N-acetyl-2-amino-8-fluoroadenine | OH | H |
| CH ₃ | O-acyl | Br | O | 2-N-acetylaminoadenine | OH | H |
| CH ₃ | O-acyl | Br | O | 2-N-acetyl-amino-8-fluoroadenine | OH | H |
| CH ₃ | O-acyl | Br | O | 2-N-acetyl-amino-8-fluorohypoxanthine | OH | H |
| CH ₃ | O-acyl | Br | O | 2-N-acetylaminohypoxanthine | OH | H |
| CH ₃ | O-acyl | Cl | O | Thymine | F | H |
| CH ₃ | O-acyl | Cl | O | Uracil | F | H |
| CH ₃ | O-acyl | Cl | O | Guanine | F | H |
| CH ₃ | O-acyl | Cl | O | Cytosine | F | H |
| CH ₃ | O-acyl | Cl | O | Adenine | F | H |
| CH ₃ | O-acyl | Cl | O | Hypoxanthine | F | H |
| CH ₃ | O-acyl | Cl | O | 5-Fluorouracil | F | H |
| CH ₃ | O-acyl | Cl | O | 8-Fluoroguanine | F | H |
| CH ₃ | O-acyl | Cl | O | 5-Fluorocytosine | F | H |
| CH ₃ | O-acyl | Cl | O | 8-Fluoroadenine | F | H |
| CH ₃ | O-acyl | Cl | O | 2-Fluoroadenine | F | H |
| CH ₃ | O-acyl | Cl | O | 2,8-Difluoroadenine | F | H |
| CH ₃ | O-acyl | Cl | O | 2-Fluorohypoxanthine | F | H |
| CH ₃ | O-acyl | Cl | O | 8-Fluorohypoxanthine | F | H |
| CH ₃ | O-acyl | Cl | O | 2,8-Difluorohypoxanthine | F | H |
| CH ₃ | O-acyl | Cl | O | 2-Aminoadenine | F | H |
| CH ₃ | O-acyl | Cl | O | 2-Amino-8-fluoroadenine | F | H |
| CH ₃ | O-acyl | Cl | O | 2-Amino-8-fluorohypoxanthine | F | H |
| CH ₃ | O-acyl | Cl | O | 2-Aminohypoxanthine | F | H |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylguanine | F | H |
| CH ₃ | O-acyl | Cl | O | 4-N-acetylcytosine | F | H |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-adenine | F | H |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl-8-fluoroguanine | F | H |
| CH ₃ | O-acyl | Cl | O | 4-N-acetyl-5-fluorocytosine | F | H |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-fluoroadenine | F | H |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2,8-difluoroadenine | F | H |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-aminoadenine | F | H |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | H |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylaminoadenine | F | H |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl-amino-8-fluoroadenine | F | H |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl-amino-8-fluorohypoxanthine | F | H |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylaminohypoxanthine | F | H |
| CH ₃ | O-acyl | Cl | O | Thymine | F | O-amino acid |
| CH ₃ | O-acyl | Cl | O | Uracil | F | O-amino acid |
| CH ₃ | O-acyl | Cl | O | Guanine | F | O-amino acid |
| CH ₃ | O-acyl | Cl | O | Cytosine | F | O-amino acid |
| CH ₃ | O-acyl | Cl | O | Adenine | F | O-amino acid |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | Cl | O | Hypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 5-Fluorouracil | F | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 8-Fluoroguanine | F | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 5-Fluorocytosine | F | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 8-Fluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-Fluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2,8-Difluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-Fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 8-Fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2,8-Difluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-Aminoadenine | F | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-Amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-Amino-8-fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-Aminohypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylguanine | F | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 4-N-acetylcytosine | F | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyladenine | F | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl-8-fluoroguanine | F | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 4-N-acetyl-5-fluorocytosine | F | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-fluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2,8-difluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-aminoadenine | F | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylaminoadenine | F | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl-amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl-amino-8-fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylaminohypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | Cl | O | Thymine | F | O-acyl |
| CH ₃ | O-acyl | Cl | O | Uracil | F | O-acyl |
| CH ₃ | O-acyl | Cl | O | Guanine | F | O-acyl |
| CH ₃ | O-acyl | Cl | O | Cytosine | F | O-acyl |
| CH ₃ | O-acyl | Cl | O | Adenine | F | O-acyl |
| CH ₃ | O-acyl | Cl | O | Hypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | Cl | O | 5-Fluorouracil | F | O-acyl |
| CH ₃ | O-acyl | Cl | O | 8-Fluoroguanine | F | O-acyl |
| CH ₃ | O-acyl | Cl | O | 5-Fluorocytosine | F | O-acyl |
| CH ₃ | O-acyl | Cl | O | 8-Fluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-Fluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2,8-Difluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-Fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | Cl | O | 8-Fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2,8-Difluorohypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-Aminoadenine | F | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-Amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-Amino-8-fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-Aminohypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylguanine | F | O-acyl |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | Cl | O | 4-N-acetylcytosine | F | O-acyl |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl原因 | F | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl-8-fluoroguanine | F | O-acyl |
| CH ₃ | O-acyl | Cl | O | 4-N-acetyl-5-fluorocytosine | F | O-acyl |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-fluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2,8-difluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-aminoadenine | F | O-acyl |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylaminoadenine | F | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl原因-8-fluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl原因-8-fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl原因hypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | Cl | O | Thymine | F | OH |
| CH ₃ | O-acyl | Cl | O | Uracil | F | OH |
| CH ₃ | O-acyl | Cl | O | Guanine | F | OH |
| CH ₃ | O-acyl | Cl | O | Cytosine | F | OH |
| CH ₃ | O-acyl | Cl | O | Adenine | F | OH |
| CH ₃ | O-acyl | Cl | O | Hypoxanthine | F | OH |
| CH ₃ | O-acyl | Cl | O | 5-Fluorouracil | F | OH |
| CH ₃ | O-acyl | Cl | O | 8-Fluoroguanine | F | OH |
| CH ₃ | O-acyl | Cl | O | 5-Fluorocytosine | F | OH |
| CH ₃ | O-acyl | Cl | O | 8-Fluoroadenine | F | OH |
| CH ₃ | O-acyl | Cl | O | 2-Fluoroadenine | F | OH |
| CH ₃ | O-acyl | Cl | O | 2,8-Difluoroadenine | F | OH |
| CH ₃ | O-acyl | Cl | O | 2-Fluorohypoxanthine | F | OH |
| CH ₃ | O-acyl | Cl | O | 8-Fluorohypoxanthine | F | OH |
| CH ₃ | O-acyl | Cl | O | 2,8-Difluorohypoxanthine | F | OH |
| CH ₃ | O-acyl | Cl | O | 2-Aminoadenine | F | OH |
| CH ₃ | O-acyl | Cl | O | 2-Amino-8-fluoroadenine | F | OH |
| CH ₃ | O-acyl | Cl | O | 2-Amino-8-fluorohypoxanthine | F | OH |
| CH ₃ | O-acyl | Cl | O | 2-Aminohypoxanthine | F | OH |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl原因 | F | OH |
| CH ₃ | O-acyl | Cl | O | 4-N-acetylcytosine | F | OH |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl原因 | F | OH |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl-8-fluoroguanine | F | OH |
| CH ₃ | O-acyl | Cl | O | 4-N-acetyl-5-fluorocytosine | F | OH |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-fluoroadenine | F | OH |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2,8-difluoroadenine | F | OH |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-aminoadenine | F | OH |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | OH |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylaminoadenine | F | OH |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl原因-8-fluoroadenine | F | OH |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl原因-8-fluorohypoxanthine | F | OH |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl原因hypoxanthine | F | OH |
| CH ₃ | O-acyl | Cl | O | Thymine | Br | H |
| CH ₃ | O-acyl | Cl | O | Uracil | Br | H |
| CH ₃ | O-acyl | Cl | O | Guanine | Br | H |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | Cl | O | Cytosine | Br | H |
| CH ₃ | O-acyl | Cl | O | Adenine | Br | H |
| CH ₃ | O-acyl | Cl | O | Hypoxanthine | Br | H |
| CH ₃ | O-acyl | Cl | O | 5-Fluorouracil | Br | H |
| CH ₃ | O-acyl | Cl | O | 8-Fluoroguanine | Br | H |
| CH ₃ | O-acyl | Cl | O | 5-Fluorocytosine | Br | H |
| CH ₃ | O-acyl | Cl | O | 8-Fluoroadenine | Br | H |
| CH ₃ | O-acyl | Cl | O | 2-Fluoroadenine | Br | H |
| CH ₃ | O-acyl | Cl | O | 2,8-Difluoroadenine | Br | H |
| CH ₃ | O-acyl | Cl | O | 2-Fluorohypoxanthine | Br | H |
| CH ₃ | O-acyl | Cl | O | 8-Fluorohypoxanthine | Br | H |
| CH ₃ | O-acyl | Cl | O | 2,8-Difluorohypoxanthine | Br | H |
| CH ₃ | O-acyl | Cl | O | 2-Aminoadenine | Br | H |
| CH ₃ | O-acyl | Cl | O | 2-Amino-8-fluoroadenine | Br | H |
| CH ₃ | O-acyl | Cl | O | 2-Amino-8-fluorohypoxanthine | Br | H |
| CH ₃ | O-acyl | Cl | O | 2-Aminohypoxanthine | Br | H |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylguanine | Br | H |
| CH ₃ | O-acyl | Cl | O | 4-N-acetylcytosine | Br | H |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyladenine | Br | H |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl-8-fluoroguanine | Br | H |
| CH ₃ | O-acyl | Cl | O | 4-N-acetyl-5-fluorocytosine | Br | H |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-fluoroadenine | Br | H |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2,8-difluoroadenine | Br | H |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-aminoadenine | Br | H |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | H |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylaminoadenine | Br | H |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl-amino-8-fluoroadenine | Br | H |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Br | H |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylaminohypoxanthine | Br | H |
| CH ₃ | O-acyl | Cl | O | Thymine | Br | O-amino acid |
| CH ₃ | O-acyl | Cl | O | Uracil | Br | O-amino acid |
| CH ₃ | O-acyl | Cl | O | Guanine | Br | O-amino acid |
| CH ₃ | O-acyl | Cl | O | Cytosine | Br | O-amino acid |
| CH ₃ | O-acyl | Cl | O | Adenine | Br | O-amino acid |
| CH ₃ | O-acyl | Cl | O | Hypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 5-Fluorouracil | Br | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 8-Fluoroguanine | Br | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 5-Fluorocytosine | Br | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 8-Fluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-Fluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2,8-Difluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-Fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 8-Fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2,8-Difluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-Aminoadenine | Br | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-Amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-Amino-8-fluorohypoxanthine | Br | O-amino acid |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | Cl | O | 2-Aminohypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylguanine | Br | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 4-N-acetylcytosine | Br | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyladenine | Br | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl-8-fluoroguanine | Br | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 4-N-acetyl-5-fluorocytosine | Br | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2,8-difluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-aminoadenine | Br | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylaminoadenine | Br | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl-amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylaminohypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | Cl | O | Thymine | Br | O-acyl |
| CH ₃ | O-acyl | Cl | O | Uracil | Br | O-acyl |
| CH ₃ | O-acyl | Cl | O | Guanine | Br | O-acyl |
| CH ₃ | O-acyl | Cl | O | Cytosine | Br | O-acyl |
| CH ₃ | O-acyl | Cl | O | Adenine | Br | O-acyl |
| CH ₃ | O-acyl | Cl | O | Hypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | Cl | O | 5-Fluorouracil | Br | O-acyl |
| CH ₃ | O-acyl | Cl | O | 8-Fluoroguanine | Br | O-acyl |
| CH ₃ | O-acyl | Cl | O | 5-Fluorocytosine | Br | O-acyl |
| CH ₃ | O-acyl | Cl | O | 8-Fluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-Fluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2,8-Difluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-Fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | Cl | O | 8-Fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2,8-Difluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-Aminoadenine | Br | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-Amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-Amino-8-fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-Aminohypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylguanine | Br | O-acyl |
| CH ₃ | O-acyl | Cl | O | 4-N-acetylcytosine | Br | O-acyl |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyladenine | Br | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl-8-fluoroguanine | Br | O-acyl |
| CH ₃ | O-acyl | Cl | O | 4-N-acetyl-5-fluorocytosine | Br | O-acyl |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-fluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2,8-difluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-aminoadenine | Br | O-acyl |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylaminoadenine | Br | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl-amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylaminohypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | Cl | O | Thymine | Br | OH |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | Cl | O | Uracil | Br | OH |
| CH ₃ | O-acyl | Cl | O | Guanine | Br | OH |
| CH ₃ | O-acyl | Cl | O | Cytosine | Br | OH |
| CH ₃ | O-acyl | Cl | O | Adenine | Br | OH |
| CH ₃ | O-acyl | Cl | O | Hypoxanthine | Br | OH |
| CH ₃ | O-acyl | Cl | O | 5-Fluorouracil | Br | OH |
| CH ₃ | O-acyl | Cl | O | 8-Fluoroguanine | Br | OH |
| CH ₃ | O-acyl | Cl | O | 5-Fluorocytosine | Br | OH |
| CH ₃ | O-acyl | Cl | O | 8-Fluoroadenine | Br | OH |
| CH ₃ | O-acyl | Cl | O | 2-Fluoroadenine | Br | OH |
| CH ₃ | O-acyl | Cl | O | 2,8-Difluoroadenine | Br | OH |
| CH ₃ | O-acyl | Cl | O | 2-Fluorohypoxanthine | Br | OH |
| CH ₃ | O-acyl | Cl | O | 8-Fluorohypoxanthine | Br | OH |
| CH ₃ | O-acyl | Cl | O | 2,8-Difluorohypoxanthine | Br | OH |
| CH ₃ | O-acyl | Cl | O | 2-Aminoadenine | Br | OH |
| CH ₃ | O-acyl | Cl | O | 2-Amino-8-fluoroadenine | Br | OH |
| CH ₃ | O-acyl | Cl | O | 2-Amino-8-fluorohypoxanthine | Br | OH |
| CH ₃ | O-acyl | Cl | O | 2-Aminohypoxanthine | Br | OH |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylguanine | Br | OH |
| CH ₃ | O-acyl | Cl | O | 4-N-acetylcytosine | Br | OH |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl原因 | Br | OH |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl-8-fluoroguanine | Br | OH |
| CH ₃ | O-acyl | Cl | O | 4-N-acetyl-5-fluorocytosine | Br | OH |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-fluoroadenine | Br | OH |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2,8-difluoroadenine | Br | OH |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-aminoadenine | Br | OH |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | OH |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl原因 | Br | OH |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl原因-8-fluoroadenine | Br | OH |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl原因-8-fluorohypoxanthine | Br | OH |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl原因hypoxanthine | Br | OH |
| CH ₃ | O-acyl | Cl | O | Thymine | Cl | H |
| CH ₃ | O-acyl | Cl | O | Uracil | Cl | H |
| CH ₃ | O-acyl | Cl | O | Guanine | Cl | H |
| CH ₃ | O-acyl | Cl | O | Cytosine | Cl | H |
| CH ₃ | O-acyl | Cl | O | Adenine | Cl | H |
| CH ₃ | O-acyl | Cl | O | Hypoxanthine | Cl | H |
| CH ₃ | O-acyl | Cl | O | 5-Fluorouracil | Cl | H |
| CH ₃ | O-acyl | Cl | O | 8-Fluoroguanine | Cl | H |
| CH ₃ | O-acyl | Cl | O | 5-Fluorocytosine | Cl | H |
| CH ₃ | O-acyl | Cl | O | 8-Fluoroadenine | Cl | H |
| CH ₃ | O-acyl | Cl | O | 2-Fluoroadenine | Cl | H |
| CH ₃ | O-acyl | Cl | O | 2,8-Difluoroadenine | Cl | H |
| CH ₃ | O-acyl | Cl | O | 2-Fluorohypoxanthine | Cl | H |
| CH ₃ | O-acyl | Cl | O | 8-Fluorohypoxanthine | Cl | H |
| CH ₃ | O-acyl | Cl | O | 2,8-Difluorohypoxanthine | Cl | H |
| CH ₃ | O-acyl | Cl | O | 2-Aminoadenine | Cl | H |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|--------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | Cl | O | 2-Amino-8-fluoroadenine | Cl | H |
| CH ₃ | O-acyl | Cl | O | 2-Amino-8-fluorohypoxanthine | Cl | H |
| CH ₃ | O-acyl | Cl | O | 2-Aminohypoxanthine | Cl | H |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylguanine | Cl | H |
| CH ₃ | O-acyl | Cl | O | 4-N-acetylcytosine | Cl | H |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyladenine | Cl | H |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl-8-fluoroguanine | Cl | H |
| CH ₃ | O-acyl | Cl | O | 4-N-acetyl-5-fluorocytosine | Cl | H |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-fluoroadenine | Cl | H |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2,8-difluoroadenine | Cl | H |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-aminoadenine | Cl | H |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | H |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylaminoadenine | Cl | H |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylamino-8-fluoroadenine | Cl | H |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylamino-8-fluorohypoxanthine | Cl | H |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylaminohypoxanthine | Cl | H |
| CH ₃ | O-acyl | Cl | O | Thymine | Cl | O-amino acid |
| CH ₃ | O-acyl | Cl | O | Uracil | Cl | O-amino acid |
| CH ₃ | O-acyl | Cl | O | Guanine | Cl | O-amino acid |
| CH ₃ | O-acyl | Cl | O | Cytosine | Cl | O-amino acid |
| CH ₃ | O-acyl | Cl | O | Adenine | Cl | O-amino acid |
| CH ₃ | O-acyl | Cl | O | Hypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 5-Fluorouracil | Cl | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 8-Fluoroguanine | Cl | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 5-Fluorocytosine | Cl | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 8-Fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-Fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2,8-Difluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-Fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 8-Fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2,8-Difluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-Aminoadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-Amino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-Amino-8-fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-Aminohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylguanine | Cl | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 4-N-acetylcytosine | Cl | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyladenine | Cl | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl-8-fluoroguanine | Cl | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 4-N-acetyl-5-fluorocytosine | Cl | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2,8-difluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-aminoadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylaminoadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylamino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylamino-8-fluorohypoxanthine | Cl | O-amino acid |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | Cl | O | 2-N-acetylaminohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | Cl | O | Thymine | Cl | O-acyl |
| CH ₃ | O-acyl | Cl | O | Uracil | Cl | O-acyl |
| CH ₃ | O-acyl | Cl | O | Guanine | Cl | O-acyl |
| CH ₃ | O-acyl | Cl | O | Cytosine | Cl | O-acyl |
| CH ₃ | O-acyl | Cl | O | Adenine | Cl | O-acyl |
| CH ₃ | O-acyl | Cl | O | Hypoxanthine | Cl | O-acyl |
| CH ₃ | O-acyl | Cl | O | 5-Fluorouracil | Cl | O-acyl |
| CH ₃ | O-acyl | Cl | O | 8-Fluoroguanine | Cl | O-acyl |
| CH ₃ | O-acyl | Cl | O | 5-Fluorocytosine | Cl | O-acyl |
| CH ₃ | O-acyl | Cl | O | 8-Fluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-Fluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2,8-Difluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-Fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-acyl | Cl | O | 8-Fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2,8-Difluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-Aminoadenine | Cl | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-Amino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-Amino-8-fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-Aminohypoxanthine | Cl | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylguanine | Cl | O-acyl |
| CH ₃ | O-acyl | Cl | O | 4-N-acetylcytosine | Cl | O-acyl |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl adenine | Cl | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl-8-fluoroguanine | Cl | O-acyl |
| CH ₃ | O-acyl | Cl | O | 4-N-acetyl-5-fluorocytosine | Cl | O-acyl |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2,8-difluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-aminoadenine | Cl | O-acyl |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylaminoadenine | Cl | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl amino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl amino-8-fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylaminohypoxanthine | Cl | O-acyl |
| CH ₃ | O-acyl | Cl | O | Thymine | Cl | OH |
| CH ₃ | O-acyl | Cl | O | Uracil | Cl | OH |
| CH ₃ | O-acyl | Cl | O | Guanine | Cl | OH |
| CH ₃ | O-acyl | Cl | O | Cytosine | Cl | OH |
| CH ₃ | O-acyl | Cl | O | Adenine | Cl | OH |
| CH ₃ | O-acyl | Cl | O | Hypoxanthine | Cl | OH |
| CH ₃ | O-acyl | Cl | O | 5-Fluorouracil | Cl | OH |
| CH ₃ | O-acyl | Cl | O | 8-Fluoroguanine | Cl | OH |
| CH ₃ | O-acyl | Cl | O | 5-Fluorocytosine | Cl | OH |
| CH ₃ | O-acyl | Cl | O | 8-Fluoroadenine | Cl | OH |
| CH ₃ | O-acyl | Cl | O | 2-Fluoroadenine | Cl | OH |
| CH ₃ | O-acyl | Cl | O | 2,8-Difluoroadenine | Cl | OH |
| CH ₃ | O-acyl | Cl | O | 2-Fluorohypoxanthine | Cl | OH |
| CH ₃ | O-acyl | Cl | O | 8-Fluorohypoxanthine | Cl | OH |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | Cl | O | 2,8-Difluorohypoxanthine | Cl | OH |
| CH ₃ | O-acyl | Cl | O | 2-Aminoadenine | Cl | OH |
| CH ₃ | O-acyl | Cl | O | 2-Amino-8-fluoroadenine | Cl | OH |
| CH ₃ | O-acyl | Cl | O | 2-Amino-8-fluorohypoxanthine | Cl | OH |
| CH ₃ | O-acyl | Cl | O | 2-Aminohypoxanthine | Cl | OH |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylguanine | Cl | OH |
| CH ₃ | O-acyl | Cl | O | 4-N-acetylcytosine | Cl | OH |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyladenine | Cl | OH |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl-8-fluoroguanine | Cl | OH |
| CH ₃ | O-acyl | Cl | O | 4-N-acetyl-5-fluorocytosine | Cl | OH |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-fluoroadenine | Cl | OH |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2,8-difluoroadenine | Cl | OH |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-aminoadenine | Cl | OH |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | OH |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylaminoadenine | Cl | OH |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl-amino-8-fluoroadenine | Cl | OH |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Cl | OH |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylaminohypoxanthine | Cl | OH |
| CH ₃ | O-acyl | Cl | O | Thymine | H | H |
| CH ₃ | O-acyl | Cl | O | Uracil | H | H |
| CH ₃ | O-acyl | Cl | O | Guanine | H | H |
| CH ₃ | O-acyl | Cl | O | Cytosine | H | H |
| CH ₃ | O-acyl | Cl | O | Adenine | H | H |
| CH ₃ | O-acyl | Cl | O | Hypoxanthine | H | H |
| CH ₃ | O-acyl | Cl | O | 5-Fluorouracil | H | H |
| CH ₃ | O-acyl | Cl | O | 8-Fluoroguanine | H | H |
| CH ₃ | O-acyl | Cl | O | 5-Fluorocytosine | H | H |
| CH ₃ | O-acyl | Cl | O | 8-Fluoroadenine | H | H |
| CH ₃ | O-acyl | Cl | O | 2-Fluoroadenine | H | H |
| CH ₃ | O-acyl | Cl | O | 2,8-Difluoroadenine | H | H |
| CH ₃ | O-acyl | Cl | O | 2-Fluorohypoxanthine | H | H |
| CH ₃ | O-acyl | Cl | O | 8-Fluorohypoxanthine | H | H |
| CH ₃ | O-acyl | Cl | O | 2,8-Difluorohypoxanthine | H | H |
| CH ₃ | O-acyl | Cl | O | 2-Aminoadenine | H | H |
| CH ₃ | O-acyl | Cl | O | 2-Amino-8-fluoroadenine | H | H |
| CH ₃ | O-acyl | Cl | O | 2-Amino-8-fluorohypoxanthine | H | H |
| CH ₃ | O-acyl | Cl | O | 2-Aminohypoxanthine | H | H |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylguanine | H | H |
| CH ₃ | O-acyl | Cl | O | 4-N-acetylcytosine | H | H |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyladenine | H | H |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl-8-fluoroguanine | H | H |
| CH ₃ | O-acyl | Cl | O | 4-N-acetyl-5-fluorocytosine | H | H |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-fluoroadenine | H | H |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2,8-difluoroadenine | H | H |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-aminoadenine | H | H |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | H |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylaminoadenine | H | H |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|--------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | Cl | O | 2-N-acetylamino-8-fluoroadenine | H | H |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylamino-8-fluorohypoxanthine | H | H |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylaminohypoxanthine | H | H |
| CH ₃ | O-acyl | Cl | O | Thymine | H | O-amino acid |
| CH ₃ | O-acyl | Cl | O | Uracil | H | O-amino acid |
| CH ₃ | O-acyl | Cl | O | Guanine | H | O-amino acid |
| CH ₃ | O-acyl | Cl | O | Cytosine | H | O-amino acid |
| CH ₃ | O-acyl | Cl | O | Adenine | H | O-amino acid |
| CH ₃ | O-acyl | Cl | O | Hypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 5-Fluorouracil | H | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 8-Fluoroguanine | H | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 5-Fluorocytosine | H | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 8-Fluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-Fluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2,8-Difluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-Fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 8-Fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2,8-Difluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-Aminoadenine | H | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-Amino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-Amino-8-fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-Aminohypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylguanine | H | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 4-N-acetylcytosine | H | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyladenine | H | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl-8-fluoroguanine | H | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 4-N-acetyl-5-fluorocytosine | H | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-fluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2,8-difluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-aminoadenine | H | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylaminoadenine | H | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylamino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylamino-8-fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylaminohypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | Cl | O | Thymine | H | O-acyl |
| CH ₃ | O-acyl | Cl | O | Uracil | H | O-acyl |
| CH ₃ | O-acyl | Cl | O | Guanine | H | O-acyl |
| CH ₃ | O-acyl | Cl | O | Cytosine | H | O-acyl |
| CH ₃ | O-acyl | Cl | O | Adenine | H | O-acyl |
| CH ₃ | O-acyl | Cl | O | Hypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | Cl | O | 5-Fluorouracil | H | O-acyl |
| CH ₃ | O-acyl | Cl | O | 8-Fluoroguanine | H | O-acyl |
| CH ₃ | O-acyl | Cl | O | 5-Fluorocytosine | H | O-acyl |
| CH ₃ | O-acyl | Cl | O | 8-Fluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-Fluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2,8-Difluoroadenine | H | O-acyl |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | Cl | O | 2-Fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | Cl | O | 8-Fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2,8-Difluorohypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-Aminoadenine | H | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-Amino-8-fluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-Amino-8-fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-Aminohypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylguanine | H | O-acyl |
| CH ₃ | O-acyl | Cl | O | 4-N-acetylcytosine | H | O-acyl |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyladenine | H | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl-8-fluoroguanine | H | O-acyl |
| CH ₃ | O-acyl | Cl | O | 4-N-acetyl-5-fluorocytosine | H | O-acyl |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-fluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2,8-difluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-aminoadenine | H | O-acyl |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylaminoadenine | H | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl-amino-8-fluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl-amino-8-fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylaminohypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | Cl | O | Thymine | H | OH |
| CH ₃ | O-acyl | Cl | O | Uracil | H | OH |
| CH ₃ | O-acyl | Cl | O | Guanine | H | OH |
| CH ₃ | O-acyl | Cl | O | Cytosine | H | OH |
| CH ₃ | O-acyl | Cl | O | Adenine | H | OH |
| CH ₃ | O-acyl | Cl | O | Hypoxanthine | H | OH |
| CH ₃ | O-acyl | Cl | O | 5-Fluorouracil | H | OH |
| CH ₃ | O-acyl | Cl | O | 8-Fluoroguanine | H | OH |
| CH ₃ | O-acyl | Cl | O | 5-Fluorocytosine | H | OH |
| CH ₃ | O-acyl | Cl | O | 8-Fluoroadenine | H | OH |
| CH ₃ | O-acyl | Cl | O | 2-Fluoroadenine | H | OH |
| CH ₃ | O-acyl | Cl | O | 2,8-Difluoroadenine | H | OH |
| CH ₃ | O-acyl | Cl | O | 2-Fluorohypoxanthine | H | OH |
| CH ₃ | O-acyl | Cl | O | 8-Fluorohypoxanthine | H | OH |
| CH ₃ | O-acyl | Cl | O | 2,8-Difluorohypoxanthine | H | OH |
| CH ₃ | O-acyl | Cl | O | 2-Aminoadenine | H | OH |
| CH ₃ | O-acyl | Cl | O | 2-Amino-8-fluoroadenine | H | OH |
| CH ₃ | O-acyl | Cl | O | 2-Amino-8-fluorohypoxanthine | H | OH |
| CH ₃ | O-acyl | Cl | O | 2-Aminohypoxanthine | H | OH |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylguanine | H | OH |
| CH ₃ | O-acyl | Cl | O | 4-N-acetylcytosine | H | OH |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyladenine | H | OH |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl-8-fluoroguanine | H | OH |
| CH ₃ | O-acyl | Cl | O | 4-N-acetyl-5-fluorocytosine | H | OH |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-fluoroadenine | H | OH |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2,8-difluoroadenine | H | OH |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-aminoadenine | H | OH |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | OH |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylaminoadenine | H | OH |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl-amino-8-fluoroadenine | H | OH |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl-amino-8-fluorohypoxanthine | H | OH |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylaminohypoxanthine | H | OH |
| CH ₃ | O-acyl | Cl | O | Thymine | OH | H |
| CH ₃ | O-acyl | Cl | O | Uracil | OH | H |
| CH ₃ | O-acyl | Cl | O | Guanine | OH | H |
| CH ₃ | O-acyl | Cl | O | Cytosine | OH | H |
| CH ₃ | O-acyl | Cl | O | Adenine | OH | H |
| CH ₃ | O-acyl | Cl | O | Hypoxanthine | OH | H |
| CH ₃ | O-acyl | Cl | O | 5-Fluorouracil | OH | H |
| CH ₃ | O-acyl | Cl | O | 8-Fluoroguanine | OH | H |
| CH ₃ | O-acyl | Cl | O | 5-Fluorocytosine | OH | H |
| CH ₃ | O-acyl | Cl | O | 8-Fluoroadenine | OH | H |
| CH ₃ | O-acyl | Cl | O | 2-Fluoroadenine | OH | H |
| CH ₃ | O-acyl | Cl | O | 2,8-Difluoroadenine | OH | H |
| CH ₃ | O-acyl | Cl | O | 2-Fluorohypoxanthine | OH | H |
| CH ₃ | O-acyl | Cl | O | 8-Fluorohypoxanthine | OH | H |
| CH ₃ | O-acyl | Cl | O | 2,8-Difluorohypoxanthine | OH | H |
| CH ₃ | O-acyl | Cl | O | 2-Aminoadenine | OH | H |
| CH ₃ | O-acyl | Cl | O | 2-Amino-8-fluoroadenine | OH | H |
| CH ₃ | O-acyl | Cl | O | 2-Amino-8-fluorohypoxanthine | OH | H |
| CH ₃ | O-acyl | Cl | O | 2-Aminohypoxanthine | OH | H |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylguanine | OH | H |
| CH ₃ | O-acyl | Cl | O | 4-N-acetylcytosine | OH | H |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyladenine | OH | H |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl-8-fluoroguanine | OH | H |
| CH ₃ | O-acyl | Cl | O | 4-N-acetyl-5-fluorocytosine | OH | H |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-fluoroadenine | OH | H |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2,8-difluoroadenine | OH | H |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-aminoadenine | OH | H |
| CH ₃ | O-acyl | Cl | O | 6-N-acetyl-2-amino-8-fluoroadenine | OH | H |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylaminoadenine | OH | H |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl-amino-8-fluoroadenine | OH | H |
| CH ₃ | O-acyl | Cl | O | 2-N-acetyl-amino-8-fluorohypoxanthine | OH | H |
| CH ₃ | O-acyl | Cl | O | 2-N-acetylaminohypoxanthine | OH | H |
| CH ₃ | O-acyl | H | O | Thymine | F | H |
| CH ₃ | O-acyl | H | O | Uracil | F | H |
| CH ₃ | O-acyl | H | O | Guanine | F | H |
| CH ₃ | O-acyl | H | O | Cytosine | F | H |
| CH ₃ | O-acyl | H | O | Adenine | F | H |
| CH ₃ | O-acyl | H | O | Hypoxanthine | F | H |
| CH ₃ | O-acyl | H | O | 5-Fluorouracil | F | H |
| CH ₃ | O-acyl | H | O | 8-Fluoroguanine | F | H |
| CH ₃ | O-acyl | H | O | 5-Fluorocytosine | F | H |
| CH ₃ | O-acyl | H | O | 8-Fluoroadenine | F | H |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|--------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | H | O | 2-Fluoroadenine | F | H |
| CH ₃ | O-acyl | H | O | 2,8-Difluoroadenine | F | H |
| CH ₃ | O-acyl | H | O | 2-Fluorohypoxanthine | F | H |
| CH ₃ | O-acyl | H | O | 8-Fluorohypoxanthine | F | H |
| CH ₃ | O-acyl | H | O | 2,8-Difluorohypoxanthine | F | H |
| CH ₃ | O-acyl | H | O | 2-Aminoadenine | F | H |
| CH ₃ | O-acyl | H | O | 2-Amino-8-fluoroadenine | F | H |
| CH ₃ | O-acyl | H | O | 2-Amino-8-fluorohypoxanthine | F | H |
| CH ₃ | O-acyl | H | O | 2-Aminohypoxanthine | F | H |
| CH ₃ | O-acyl | H | O | 2-N-acetylguanine | F | H |
| CH ₃ | O-acyl | H | O | 4-N-acetylcytosine | F | H |
| CH ₃ | O-acyl | H | O | 6-N-acetyladenine | F | H |
| CH ₃ | O-acyl | H | O | 2-N-acetyl-8-fluoroguanine | F | H |
| CH ₃ | O-acyl | H | O | 4-N-acetyl-5-fluorocytosine | F | H |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-fluoroadenine | F | H |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2,8-difluoroadenine | F | H |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-aminoadenine | F | H |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | H |
| CH ₃ | O-acyl | H | O | 2-N-acetylaminoadenine | F | H |
| CH ₃ | O-acyl | H | O | 2-N-acetylamino-8-fluoroadenine | F | H |
| CH ₃ | O-acyl | H | O | 2-N-acetylamino-8-fluorohypoxanthine | F | H |
| CH ₃ | O-acyl | H | O | 2-N-acetylaminohypoxanthine | F | H |
| CH ₃ | O-acyl | H | O | Thymine | F | O-amino acid |
| CH ₃ | O-acyl | H | O | Uracil | F | O-amino acid |
| CH ₃ | O-acyl | H | O | Guanine | F | O-amino acid |
| CH ₃ | O-acyl | H | O | Cytosine | F | O-amino acid |
| CH ₃ | O-acyl | H | O | Adenine | F | O-amino acid |
| CH ₃ | O-acyl | H | O | Hypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | H | O | 5-Fluorouracil | F | O-amino acid |
| CH ₃ | O-acyl | H | O | 8-Fluoroguanine | F | O-amino acid |
| CH ₃ | O-acyl | H | O | 5-Fluorocytosine | F | O-amino acid |
| CH ₃ | O-acyl | H | O | 8-Fluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-Fluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | H | O | 2,8-Difluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-Fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | H | O | 8-Fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | H | O | 2,8-Difluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-Aminoadenine | F | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-Amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-Amino-8-fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-Aminohypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-N-acetylguanine | F | O-amino acid |
| CH ₃ | O-acyl | H | O | 4-N-acetylcytosine | F | O-amino acid |
| CH ₃ | O-acyl | H | O | 6-N-acetyladenine | F | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-N-acetyl-8-fluoroguanine | F | O-amino acid |
| CH ₃ | O-acyl | H | O | 4-N-acetyl-5-fluorocytosine | F | O-amino acid |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-fluoroadenine | F | O-amino acid |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2,8-difluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-aminoadenine | F | O-amino acid |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-N-acetylaminoadenine | F | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-N-acetyl-amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-N-acetyl-amino-8-fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-N-acetylaminohypoxanthine | F | O-amino acid |
| CH ₃ | O-acyl | H | O | Thymine | F | O-acyl |
| CH ₃ | O-acyl | H | O | Uracil | F | O-acyl |
| CH ₃ | O-acyl | H | O | Guanine | F | O-acyl |
| CH ₃ | O-acyl | H | O | Cytosine | F | O-acyl |
| CH ₃ | O-acyl | H | O | Adenine | F | O-acyl |
| CH ₃ | O-acyl | H | O | Hypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | H | O | 5-Fluorouracil | F | O-acyl |
| CH ₃ | O-acyl | H | O | 8-Fluoroguanine | F | O-acyl |
| CH ₃ | O-acyl | H | O | 5-Fluorocytosine | F | O-acyl |
| CH ₃ | O-acyl | H | O | 8-Fluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | H | O | 2-Fluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | H | O | 2,8-Difluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | H | O | 2-Fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | H | O | 8-Fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | H | O | 2,8-Difluorohypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | H | O | 2-Aminoadenine | F | O-acyl |
| CH ₃ | O-acyl | H | O | 2-Amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | H | O | 2-Amino-8-fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | H | O | 2-Aminohypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | H | O | 2-N-acetylguanine | F | O-acyl |
| CH ₃ | O-acyl | H | O | 4-N-acetylcytosine | F | O-acyl |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-adenine | F | O-acyl |
| CH ₃ | O-acyl | H | O | 2-N-acetyl-8-fluoroguanine | F | O-acyl |
| CH ₃ | O-acyl | H | O | 4-N-acetyl-5-fluorocytosine | F | O-acyl |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-fluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2,8-difluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-aminoadenine | F | O-acyl |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | H | O | 2-N-acetylaminoadenine | F | O-acyl |
| CH ₃ | O-acyl | H | O | 2-N-acetyl-amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | O-acyl | H | O | 2-N-acetyl-amino-8-fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | H | O | 2-N-acetylaminohypoxanthine | F | O-acyl |
| CH ₃ | O-acyl | H | O | Thymine | F | OH |
| CH ₃ | O-acyl | H | O | Uracil | F | OH |
| CH ₃ | O-acyl | H | O | Guanine | F | OH |
| CH ₃ | O-acyl | H | O | Cytosine | F | OH |
| CH ₃ | O-acyl | H | O | Adenine | F | OH |
| CH ₃ | O-acyl | H | O | Hypoxanthine | F | OH |
| CH ₃ | O-acyl | H | O | 5-Fluorouracil | F | OH |
| CH ₃ | O-acyl | H | O | 8-Fluoroguanine | F | OH |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | H | O | 5-Fluorocytosine | F | OH |
| CH ₃ | O-acyl | H | O | 8-Fluoroadenine | F | OH |
| CH ₃ | O-acyl | H | O | 2-Fluoroadenine | F | OH |
| CH ₃ | O-acyl | H | O | 2,8-Difluoroadenine | F | OH |
| CH ₃ | O-acyl | H | O | 2-Fluorohypoxanthine | F | OH |
| CH ₃ | O-acyl | H | O | 8-Fluorohypoxanthine | F | OH |
| CH ₃ | O-acyl | H | O | 2,8-Difluorohypoxanthine | F | OH |
| CH ₃ | O-acyl | H | O | 2-Aminoadenine | F | OH |
| CH ₃ | O-acyl | H | O | 2-Amino-8-fluoroadenine | F | OH |
| CH ₃ | O-acyl | H | O | 2-Amino-8-fluorohypoxanthine | F | OH |
| CH ₃ | O-acyl | H | O | 2-Aminohypoxanthine | F | OH |
| CH ₃ | O-acyl | H | O | 2-N-acetylguanine | F | OH |
| CH ₃ | O-acyl | H | O | 4-N-acetylcytosine | F | OH |
| CH ₃ | O-acyl | H | O | 6-N-acetyl原因 | F | OH |
| CH ₃ | O-acyl | H | O | 2-N-acetyl-8-fluoroguanine | F | OH |
| CH ₃ | O-acyl | H | O | 4-N-acetyl-5-fluorocytosine | F | OH |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-fluoroadenine | F | OH |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2,8-difluoroadenine | F | OH |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-aminoadenine | F | OH |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | OH |
| CH ₃ | O-acyl | H | O | 2-N-acetyl原因 | F | OH |
| CH ₃ | O-acyl | H | O | 2-N-acetyl原因-8-fluoroadenine | F | OH |
| CH ₃ | O-acyl | H | O | 2-N-acetyl原因-8-fluorohypoxanthine | F | OH |
| CH ₃ | O-acyl | H | O | 2-N-acetyl原因hypoxanthine | F | OH |
| CH ₃ | O-acyl | H | O | Thymine | Br | H |
| CH ₃ | O-acyl | H | O | Uracil | Br | H |
| CH ₃ | O-acyl | H | O | Guanine | Br | H |
| CH ₃ | O-acyl | H | O | Cytosine | Br | H |
| CH ₃ | O-acyl | H | O | Adenine | Br | H |
| CH ₃ | O-acyl | H | O | Hypoxanthine | Br | H |
| CH ₃ | O-acyl | H | O | 5-Fluorouracil | Br | H |
| CH ₃ | O-acyl | H | O | 8-Fluoroguanine | Br | H |
| CH ₃ | O-acyl | H | O | 5-Fluorocytosine | Br | H |
| CH ₃ | O-acyl | H | O | 8-Fluoroadenine | Br | H |
| CH ₃ | O-acyl | H | O | 2-Fluoroadenine | Br | H |
| CH ₃ | O-acyl | H | O | 2,8-Difluoroadenine | Br | H |
| CH ₃ | O-acyl | H | O | 2-Fluorohypoxanthine | Br | H |
| CH ₃ | O-acyl | H | O | 8-Fluorohypoxanthine | Br | H |
| CH ₃ | O-acyl | H | O | 2,8-Difluorohypoxanthine | Br | H |
| CH ₃ | O-acyl | H | O | 2-Aminoadenine | Br | H |
| CH ₃ | O-acyl | H | O | 2-Amino-8-fluoroadenine | Br | H |
| CH ₃ | O-acyl | H | O | 2-Amino-8-fluorohypoxanthine | Br | H |
| CH ₃ | O-acyl | H | O | 2-Aminohypoxanthine | Br | H |
| CH ₃ | O-acyl | H | O | 2-N-acetylguanine | Br | H |
| CH ₃ | O-acyl | H | O | 4-N-acetylcytosine | Br | H |
| CH ₃ | O-acyl | H | O | 6-N-acetyl原因 | Br | H |
| CH ₃ | O-acyl | H | O | 2-N-acetyl-8-fluoroguanine | Br | H |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | H | O | 4-N-acetyl-5-fluorocytosine | Br | H |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-fluoroadenine | Br | H |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2,8-difluoroadenine | Br | H |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-aminoadenine | Br | H |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | H |
| CH ₃ | O-acyl | H | O | 2-N-acetylaminoadenine | Br | H |
| CH ₃ | O-acyl | H | O | 2-N-acetyl-amino-8-fluoroadenine | Br | H |
| CH ₃ | O-acyl | H | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Br | H |
| CH ₃ | O-acyl | H | O | 2-N-acetylaminohypoxanthine | Br | H |
| CH ₃ | O-acyl | H | O | Thymine | Br | O-amino acid |
| CH ₃ | O-acyl | H | O | Uracil | Br | O-amino acid |
| CH ₃ | O-acyl | H | O | Guanine | Br | O-amino acid |
| CH ₃ | O-acyl | H | O | Cytosine | Br | O-amino acid |
| CH ₃ | O-acyl | H | O | Adenine | Br | O-amino acid |
| CH ₃ | O-acyl | H | O | Hypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | H | O | 5-Fluorouracil | Br | O-amino acid |
| CH ₃ | O-acyl | H | O | 8-Fluoroguanine | Br | O-amino acid |
| CH ₃ | O-acyl | H | O | 5-Fluorocytosine | Br | O-amino acid |
| CH ₃ | O-acyl | H | O | 8-Fluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-Fluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | H | O | 2,8-Difluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-Fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | H | O | 8-Fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | H | O | 2,8-Difluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-Aminoadenine | Br | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-Amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-Amino-8-fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-Aminohypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-N-acetylguanine | Br | O-amino acid |
| CH ₃ | O-acyl | H | O | 4-N-acetylcytosine | Br | O-amino acid |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-adenine | Br | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-N-acetyl-8-fluoroguanine | Br | O-amino acid |
| CH ₃ | O-acyl | H | O | 4-N-acetyl-5-fluorocytosine | Br | O-amino acid |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2,8-difluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-aminoadenine | Br | O-amino acid |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-N-acetylaminoadenine | Br | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-N-acetyl-amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-N-acetylaminohypoxanthine | Br | O-amino acid |
| CH ₃ | O-acyl | H | O | Thymine | Br | O-acyl |
| CH ₃ | O-acyl | H | O | Uracil | Br | O-acyl |
| CH ₃ | O-acyl | H | O | Guanine | Br | O-acyl |
| CH ₃ | O-acyl | H | O | Cytosine | Br | O-acyl |
| CH ₃ | O-acyl | H | O | Adenine | Br | O-acyl |
| CH ₃ | O-acyl | H | O | Hypoxanthine | Br | O-acyl |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | H | O | 5-Fluorouracil | Br | O-acyl |
| CH ₃ | O-acyl | H | O | 8-Fluoroguanine | Br | O-acyl |
| CH ₃ | O-acyl | H | O | 5-Fluorocytosine | Br | O-acyl |
| CH ₃ | O-acyl | H | O | 8-Fluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | H | O | 2-Fluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | H | O | 2,8-Difluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | H | O | 2-Fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | H | O | 8-Fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | H | O | 2,8-Difluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | H | O | 2-Aminoadenine | Br | O-acyl |
| CH ₃ | O-acyl | H | O | 2-Amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | H | O | 2-Amino-8-fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | H | O | 2-Aminohypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | H | O | 2-N-acetylguanine | Br | O-acyl |
| CH ₃ | O-acyl | H | O | 4-N-acetylcytosine | Br | O-acyl |
| CH ₃ | O-acyl | H | O | 6-N-acetyl adenine | Br | O-acyl |
| CH ₃ | O-acyl | H | O | 2-N-acetyl-8-fluoroguanine | Br | O-acyl |
| CH ₃ | O-acyl | H | O | 4-N-acetyl-5-fluorocytosine | Br | O-acyl |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-fluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2,8-difluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-aminoadenine | Br | O-acyl |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | H | O | 2-N-acetylaminoadenine | Br | O-acyl |
| CH ₃ | O-acyl | H | O | 2-N-acetyl-amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | O-acyl | H | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | H | O | 2-N-acetylaminohypoxanthine | Br | O-acyl |
| CH ₃ | O-acyl | H | O | Thymine | Br | OH |
| CH ₃ | O-acyl | H | O | Uracil | Br | OH |
| CH ₃ | O-acyl | H | O | Guanine | Br | OH |
| CH ₃ | O-acyl | H | O | Cytosine | Br | OH |
| CH ₃ | O-acyl | H | O | Adenine | Br | OH |
| CH ₃ | O-acyl | H | O | Hypoxanthine | Br | OH |
| CH ₃ | O-acyl | H | O | 5-Fluorouracil | Br | OH |
| CH ₃ | O-acyl | H | O | 8-Fluoroguanine | Br | OH |
| CH ₃ | O-acyl | H | O | 5-Fluorocytosine | Br | OH |
| CH ₃ | O-acyl | H | O | 8-Fluoroadenine | Br | OH |
| CH ₃ | O-acyl | H | O | 2-Fluoroadenine | Br | OH |
| CH ₃ | O-acyl | H | O | 2,8-Difluoroadenine | Br | OH |
| CH ₃ | O-acyl | H | O | 2-Fluorohypoxanthine | Br | OH |
| CH ₃ | O-acyl | H | O | 8-Fluorohypoxanthine | Br | OH |
| CH ₃ | O-acyl | H | O | 2,8-Difluorohypoxanthine | Br | OH |
| CH ₃ | O-acyl | H | O | 2-Aminoadenine | Br | OH |
| CH ₃ | O-acyl | H | O | 2-Amino-8-fluoroadenine | Br | OH |
| CH ₃ | O-acyl | H | O | 2-Amino-8-fluorohypoxanthine | Br | OH |
| CH ₃ | O-acyl | H | O | 2-Aminohypoxanthine | Br | OH |
| CH ₃ | O-acyl | H | O | 2-N-acetylguanine | Br | OH |
| CH ₃ | O-acyl | H | O | 4-N-acetylcytosine | Br | OH |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | H | O | 6-N-acetyl原因 | Br | OH |
| CH ₃ | O-acyl | H | O | 2-N-acetyl-8-fluoroguanine | Br | OH |
| CH ₃ | O-acyl | H | O | 4-N-acetyl-5-fluorocytosine | Br | OH |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-fluoroadenine | Br | OH |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2,8-difluoroadenine | Br | OH |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-aminoadenine | Br | OH |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | OH |
| CH ₃ | O-acyl | H | O | 2-N-acetylaminoadenine | Br | OH |
| CH ₃ | O-acyl | H | O | 2-N-acetyl-amino-8-fluoroadenine | Br | OH |
| CH ₃ | O-acyl | H | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Br | OH |
| CH ₃ | O-acyl | H | O | 2-N-acetylaminohypoxanthine | Br | OH |
| CH ₃ | O-acyl | H | O | Thymine | Cl | H |
| CH ₃ | O-acyl | H | O | Uracil | Cl | H |
| CH ₃ | O-acyl | H | O | Guanine | Cl | H |
| CH ₃ | O-acyl | H | O | Cytosine | Cl | H |
| CH ₃ | O-acyl | H | O | Adenine | Cl | H |
| CH ₃ | O-acyl | H | O | Hypoxanthine | Cl | H |
| CH ₃ | O-acyl | H | O | 5-Fluorouracil | Cl | H |
| CH ₃ | O-acyl | H | O | 8-Fluoroguanine | Cl | H |
| CH ₃ | O-acyl | H | O | 5-Fluorocytosine | Cl | H |
| CH ₃ | O-acyl | H | O | 8-Fluoroadenine | Cl | H |
| CH ₃ | O-acyl | H | O | 2-Fluoroadenine | Cl | H |
| CH ₃ | O-acyl | H | O | 2,8-Difluoroadenine | Cl | H |
| CH ₃ | O-acyl | H | O | 2-Fluorohypoxanthine | Cl | H |
| CH ₃ | O-acyl | H | O | 8-Fluorohypoxanthine | Cl | H |
| CH ₃ | O-acyl | H | O | 2,8-Difluorohypoxanthine | Cl | H |
| CH ₃ | O-acyl | H | O | 2-Aminoadenine | Cl | H |
| CH ₃ | O-acyl | H | O | 2-Amino-8-fluoroadenine | Cl | H |
| CH ₃ | O-acyl | H | O | 2-Amino-8-fluorohypoxanthine | Cl | H |
| CH ₃ | O-acyl | H | O | 2-Aminohypoxanthine | Cl | H |
| CH ₃ | O-acyl | H | O | 2-N-acetyl原因 | Cl | H |
| CH ₃ | O-acyl | H | O | 4-N-acetyl原因 | Cl | H |
| CH ₃ | O-acyl | H | O | 6-N-acetyl原因 | Cl | H |
| CH ₃ | O-acyl | H | O | 2-N-acetyl-8-fluoroguanine | Cl | H |
| CH ₃ | O-acyl | H | O | 4-N-acetyl-5-fluorocytosine | Cl | H |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-fluoroadenine | Cl | H |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2,8-difluoroadenine | Cl | H |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-aminoadenine | Cl | H |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | H |
| CH ₃ | O-acyl | H | O | 2-N-acetylaminoadenine | Cl | H |
| CH ₃ | O-acyl | H | O | 2-N-acetyl-amino-8-fluoroadenine | Cl | H |
| CH ₃ | O-acyl | H | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Cl | H |
| CH ₃ | O-acyl | H | O | 2-N-acetylaminohypoxanthine | Cl | H |
| CH ₃ | O-acyl | H | O | Thymine | Cl | O-amino acid |
| CH ₃ | O-acyl | H | O | Uracil | Cl | O-amino acid |
| CH ₃ | O-acyl | H | O | Guanine | Cl | O-amino acid |
| CH ₃ | O-acyl | H | O | Cytosine | Cl | O-amino acid |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | H | O | Adenine | Cl | O-amino acid |
| CH ₃ | O-acyl | H | O | Hypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | H | O | 5-Fluorouracil | Cl | O-amino acid |
| CH ₃ | O-acyl | H | O | 8-Fluoroguanine | Cl | O-amino acid |
| CH ₃ | O-acyl | H | O | 5-Fluorocytosine | Cl | O-amino acid |
| CH ₃ | O-acyl | H | O | 8-Fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-Fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | H | O | 2,8-Difluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-Fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | H | O | 8-Fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | H | O | 2,8-Difluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-Aminoadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-Amino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-Amino-8-fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-Aminohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-N-acetylguanine | Cl | O-amino acid |
| CH ₃ | O-acyl | H | O | 4-N-acetylcytosine | Cl | O-amino acid |
| CH ₃ | O-acyl | H | O | 6-N-acetyladenine | Cl | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-N-acetyl-8-fluoroguanine | Cl | O-amino acid |
| CH ₃ | O-acyl | H | O | 4-N-acetyl-5-fluorocytosine | Cl | O-amino acid |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2,8-difluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-aminoadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-N-acetylaminoadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-N-acetyl-amino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-N-acetylaminohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-acyl | H | O | Thymine | Cl | O-acyl |
| CH ₃ | O-acyl | H | O | Uracil | Cl | O-acyl |
| CH ₃ | O-acyl | H | O | Guanine | Cl | O-acyl |
| CH ₃ | O-acyl | H | O | Cytosine | Cl | O-acyl |
| CH ₃ | O-acyl | H | O | Adenine | Cl | O-acyl |
| CH ₃ | O-acyl | H | O | Hypoxanthine | Cl | O-acyl |
| CH ₃ | O-acyl | H | O | 5-Fluorouracil | Cl | O-acyl |
| CH ₃ | O-acyl | H | O | 8-Fluoroguanine | Cl | O-acyl |
| CH ₃ | O-acyl | H | O | 5-Fluorocytosine | Cl | O-acyl |
| CH ₃ | O-acyl | H | O | 8-Fluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | H | O | 2-Fluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | H | O | 2,8-Difluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | H | O | 2-Fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-acyl | H | O | 8-Fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-acyl | H | O | 2,8-Difluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-acyl | H | O | 2-Aminoadenine | Cl | O-acyl |
| CH ₃ | O-acyl | H | O | 2-Amino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | H | O | 2-Amino-8-fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-acyl | H | O | 2-Aminohypoxanthine | Cl | O-acyl |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | H | O | 2-N-acetylguanine | Cl | O-acyl |
| CH ₃ | O-acyl | H | O | 4-N-acetylcytosine | Cl | O-acyl |
| CH ₃ | O-acyl | H | O | 6-N-acetyl原因 | Cl | O-acyl |
| CH ₃ | O-acyl | H | O | 2-N-acetyl-8-fluoroguanine | Cl | O-acyl |
| CH ₃ | O-acyl | H | O | 4-N-acetyl-5-fluorocytosine | Cl | O-acyl |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2,8-difluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-aminoadenine | Cl | O-acyl |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | H | O | 2-N-acetylaminoadenine | Cl | O-acyl |
| CH ₃ | O-acyl | H | O | 2-N-acetyl-amino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-acyl | H | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-acyl | H | O | 2-N-acetylaminohypoxanthine | Cl | O-acyl |
| CH ₃ | O-acyl | H | O | Thymine | Cl | OH |
| CH ₃ | O-acyl | H | O | Uracil | Cl | OH |
| CH ₃ | O-acyl | H | O | Guanine | Cl | OH |
| CH ₃ | O-acyl | H | O | Cytosine | Cl | OH |
| CH ₃ | O-acyl | H | O | Adenine | Cl | OH |
| CH ₃ | O-acyl | H | O | Hypoxanthine | Cl | OH |
| CH ₃ | O-acyl | H | O | 5-Fluorouracil | Cl | OH |
| CH ₃ | O-acyl | H | O | 8-Fluoroguanine | Cl | OH |
| CH ₃ | O-acyl | H | O | 5-Fluorocytosine | Cl | OH |
| CH ₃ | O-acyl | H | O | 8-Fluoroadenine | Cl | OH |
| CH ₃ | O-acyl | H | O | 2-Fluoroadenine | Cl | OH |
| CH ₃ | O-acyl | H | O | 2,8-Difluoroadenine | Cl | OH |
| CH ₃ | O-acyl | H | O | 2-Fluorohypoxanthine | Cl | OH |
| CH ₃ | O-acyl | H | O | 8-Fluorohypoxanthine | Cl | OH |
| CH ₃ | O-acyl | H | O | 2,8-Difluorohypoxanthine | Cl | OH |
| CH ₃ | O-acyl | H | O | 2-Aminoadenine | Cl | OH |
| CH ₃ | O-acyl | H | O | 2-Amino-8-fluoroadenine | Cl | OH |
| CH ₃ | O-acyl | H | O | 2-Amino-8-fluorohypoxanthine | Cl | OH |
| CH ₃ | O-acyl | H | O | 2-Aminohypoxanthine | Cl | OH |
| CH ₃ | O-acyl | H | O | 2-N-acetylguanine | Cl | OH |
| CH ₃ | O-acyl | H | O | 4-N-acetylcytosine | Cl | OH |
| CH ₃ | O-acyl | H | O | 6-N-acetyl原因 | Cl | OH |
| CH ₃ | O-acyl | H | O | 2-N-acetyl-8-fluoroguanine | Cl | OH |
| CH ₃ | O-acyl | H | O | 4-N-acetyl-5-fluorocytosine | Cl | OH |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-fluoroadenine | Cl | OH |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2,8-difluoroadenine | Cl | OH |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-aminoadenine | Cl | OH |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | OH |
| CH ₃ | O-acyl | H | O | 2-N-acetylaminoadenine | Cl | OH |
| CH ₃ | O-acyl | H | O | 2-N-acetyl-amino-8-fluoroadenine | Cl | OH |
| CH ₃ | O-acyl | H | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Cl | OH |
| CH ₃ | O-acyl | H | O | 2-N-acetylaminohypoxanthine | Cl | OH |
| CH ₃ | O-acyl | H | O | Thymine | H | H |
| CH ₃ | O-acyl | H | O | Uracil | H | H |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | H | O | Guanine | H | H |
| CH ₃ | O-acyl | H | O | Cytosine | H | H |
| CH ₃ | O-acyl | H | O | Adenine | H | H |
| CH ₃ | O-acyl | H | O | Hypoxanthine | H | H |
| CH ₃ | O-acyl | H | O | 5-Fluorouracil | H | H |
| CH ₃ | O-acyl | H | O | 8-Fluoroguanine | H | H |
| CH ₃ | O-acyl | H | O | 5-Fluorocytosine | H | H |
| CH ₃ | O-acyl | H | O | 8-Fluoroadenine | H | H |
| CH ₃ | O-acyl | H | O | 2-Fluoroadenine | H | H |
| CH ₃ | O-acyl | H | O | 2,8-Difluoroadenine | H | H |
| CH ₃ | O-acyl | H | O | 2-Fluorohypoxanthine | H | H |
| CH ₃ | O-acyl | H | O | 8-Fluorohypoxanthine | H | H |
| CH ₃ | O-acyl | H | O | 2,8-Difluorohypoxanthine | H | H |
| CH ₃ | O-acyl | H | O | 2-Aminoadenine | H | H |
| CH ₃ | O-acyl | H | O | 2-Amino-8-fluoroadenine | H | H |
| CH ₃ | O-acyl | H | O | 2-Amino-8-fluorohypoxanthine | H | H |
| CH ₃ | O-acyl | H | O | 2-Aminohypoxanthine | H | H |
| CH ₃ | O-acyl | H | O | 2-N-acetylguanine | H | H |
| CH ₃ | O-acyl | H | O | 4-N-acetylcytosine | H | H |
| CH ₃ | O-acyl | H | O | 6-N-acetyl原因 | H | H |
| CH ₃ | O-acyl | H | O | 2-N-acetyl-8-fluoroguanine | H | H |
| CH ₃ | O-acyl | H | O | 4-N-acetyl-5-fluorocytosine | H | H |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-fluoroadenine | H | H |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2,8-difluoroadenine | H | H |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-aminoadenine | H | H |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | H |
| CH ₃ | O-acyl | H | O | 2-N-acetyl原因 | H | H |
| CH ₃ | O-acyl | H | O | 2-N-acetyl原因-8-fluoroadenine | H | H |
| CH ₃ | O-acyl | H | O | 2-N-acetyl原因-8-fluorohypoxanthine | H | H |
| CH ₃ | O-acyl | H | O | 2-N-acetyl原因hypoxanthine | H | H |
| CH ₃ | O-acyl | H | O | Thymine | H | O-amino acid |
| CH ₃ | O-acyl | H | O | Uracil | H | O-amino acid |
| CH ₃ | O-acyl | H | O | Guanine | H | O-amino acid |
| CH ₃ | O-acyl | H | O | Cytosine | H | O-amino acid |
| CH ₃ | O-acyl | H | O | Adenine | H | O-amino acid |
| CH ₃ | O-acyl | H | O | Hypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | H | O | 5-Fluorouracil | H | O-amino acid |
| CH ₃ | O-acyl | H | O | 8-Fluoroguanine | H | O-amino acid |
| CH ₃ | O-acyl | H | O | 5-Fluorocytosine | H | O-amino acid |
| CH ₃ | O-acyl | H | O | 8-Fluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-Fluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | H | O | 2,8-Difluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-Fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | H | O | 8-Fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | H | O | 2,8-Difluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-Aminoadenine | H | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-Amino-8-fluoroadenine | H | O-amino acid |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | H | O | 2-Amino-8-fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-Aminohypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-N-acetylguanine | H | O-amino acid |
| CH ₃ | O-acyl | H | O | 4-N-acetylcytosine | H | O-amino acid |
| CH ₃ | O-acyl | H | O | 6-N-acetyladenine | H | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-N-acetyl-8-fluoroguanine | H | O-amino acid |
| CH ₃ | O-acyl | H | O | 4-N-acetyl-5-fluorocytosine | H | O-amino acid |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-fluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2,8-difluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-aminoadenine | H | O-amino acid |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-N-acetylaminoadenine | H | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-N-acetyl-amino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-N-acetyl-amino-8-fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | H | O | 2-N-acetylaminohypoxanthine | H | O-amino acid |
| CH ₃ | O-acyl | H | O | Thymine | H | O-acyl |
| CH ₃ | O-acyl | H | O | Uracil | H | O-acyl |
| CH ₃ | O-acyl | H | O | Guanine | H | O-acyl |
| CH ₃ | O-acyl | H | O | Cytosine | H | O-acyl |
| CH ₃ | O-acyl | H | O | Adenine | H | O-acyl |
| CH ₃ | O-acyl | H | O | Hypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | H | O | 5-Fluorouracil | H | O-acyl |
| CH ₃ | O-acyl | H | O | 8-Fluoroguanine | H | O-acyl |
| CH ₃ | O-acyl | H | O | 5-Fluorocytosine | H | O-acyl |
| CH ₃ | O-acyl | H | O | 8-Fluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | H | O | 2-Fluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | H | O | 2,8-Difluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | H | O | 2-Fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | H | O | 8-Fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | H | O | 2,8-Difluorohypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | H | O | 2-Aminoadenine | H | O-acyl |
| CH ₃ | O-acyl | H | O | 2-Amino-8-fluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | H | O | 2-Amino-8-fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | H | O | 2-Aminohypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | H | O | 2-N-acetylguanine | H | O-acyl |
| CH ₃ | O-acyl | H | O | 4-N-acetylcytosine | H | O-acyl |
| CH ₃ | O-acyl | H | O | 6-N-acetyladenine | H | O-acyl |
| CH ₃ | O-acyl | H | O | 2-N-acetyl-8-fluoroguanine | H | O-acyl |
| CH ₃ | O-acyl | H | O | 4-N-acetyl-5-fluorocytosine | H | O-acyl |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-fluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2,8-difluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-aminoadenine | H | O-acyl |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | H | O | 2-N-acetylaminoadenine | H | O-acyl |
| CH ₃ | O-acyl | H | O | 2-N-acetyl-amino-8-fluoroadenine | H | O-acyl |
| CH ₃ | O-acyl | H | O | 2-N-acetyl-amino-8-fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-acyl | H | O | 2-N-acetylaminohypoxanthine | H | O-acyl |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | H | O | Thymine | H | OH |
| CH ₃ | O-acyl | H | O | Uracil | H | OH |
| CH ₃ | O-acyl | H | O | Guanine | H | OH |
| CH ₃ | O-acyl | H | O | Cytosine | H | OH |
| CH ₃ | O-acyl | H | O | Adenine | H | OH |
| CH ₃ | O-acyl | H | O | Hypoxanthine | H | OH |
| CH ₃ | O-acyl | H | O | 5-Fluorouracil | H | OH |
| CH ₃ | O-acyl | H | O | 8-Fluoroguanine | H | OH |
| CH ₃ | O-acyl | H | O | 5-Fluorocytosine | H | OH |
| CH ₃ | O-acyl | H | O | 8-Fluoroadenine | H | OH |
| CH ₃ | O-acyl | H | O | 2-Fluoroadenine | H | OH |
| CH ₃ | O-acyl | H | O | 2,8-Difluoroadenine | H | OH |
| CH ₃ | O-acyl | H | O | 2-Fluorohypoxanthine | H | OH |
| CH ₃ | O-acyl | H | O | 8-Fluorohypoxanthine | H | OH |
| CH ₃ | O-acyl | H | O | 2,8-Difluorohypoxanthine | H | OH |
| CH ₃ | O-acyl | H | O | 2-Aminoadenine | H | OH |
| CH ₃ | O-acyl | H | O | 2-Amino-8-fluoroadenine | H | OH |
| CH ₃ | O-acyl | H | O | 2-Amino-8-fluorohypoxanthine | H | OH |
| CH ₃ | O-acyl | H | O | 2-Aminohypoxanthine | H | OH |
| CH ₃ | O-acyl | H | O | 2-N-acetylguanine | H | OH |
| CH ₃ | O-acyl | H | O | 4-N-acetylcytosine | H | OH |
| CH ₃ | O-acyl | H | O | 6-N-acetyl原因 | H | OH |
| CH ₃ | O-acyl | H | O | 2-N-acetyl-8-fluoroguanine | H | OH |
| CH ₃ | O-acyl | H | O | 4-N-acetyl-5-fluorocytosine | H | OH |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-fluoroadenine | H | OH |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2,8-difluoroadenine | H | OH |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-aminoadenine | H | OH |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | OH |
| CH ₃ | O-acyl | H | O | 2-N-acetylaminoadenine | H | OH |
| CH ₃ | O-acyl | H | O | 2-N-acetyl-amino-8-fluoroadenine | H | OH |
| CH ₃ | O-acyl | H | O | 2-N-acetyl-amino-8-fluorohypoxanthine | H | OH |
| CH ₃ | O-acyl | H | O | 2-N-acetylaminohypoxanthine | H | OH |
| CH ₃ | O-acyl | H | O | Thymine | OH | H |
| CH ₃ | O-acyl | H | O | Uracil | OH | H |
| CH ₃ | O-acyl | H | O | Guanine | OH | H |
| CH ₃ | O-acyl | H | O | Cytosine | OH | H |
| CH ₃ | O-acyl | H | O | Adenine | OH | H |
| CH ₃ | O-acyl | H | O | Hypoxanthine | OH | H |
| CH ₃ | O-acyl | H | O | 5-Fluorouracil | OH | H |
| CH ₃ | O-acyl | H | O | 8-Fluoroguanine | OH | H |
| CH ₃ | O-acyl | H | O | 5-Fluorocytosine | OH | H |
| CH ₃ | O-acyl | H | O | 8-Fluoroadenine | OH | H |
| CH ₃ | O-acyl | H | O | 2-Fluoroadenine | OH | H |
| CH ₃ | O-acyl | H | O | 2,8-Difluoroadenine | OH | H |
| CH ₃ | O-acyl | H | O | 2-Fluorohypoxanthine | OH | H |
| CH ₃ | O-acyl | H | O | 8-Fluorohypoxanthine | OH | H |
| CH ₃ | O-acyl | H | O | 2,8-Difluorohypoxanthine | OH | H |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-acyl | H | O | 2-Aminoadenine | OH | H |
| CH ₃ | O-acyl | H | O | 2-Amino-8-fluoroadenine | OH | H |
| CH ₃ | O-acyl | H | O | 2-Amino-8-fluorohypoxanthine | OH | H |
| CH ₃ | O-acyl | H | O | 2-Aminohypoxanthine | OH | H |
| CH ₃ | O-acyl | H | O | 2-N-acetylguanine | OH | H |
| CH ₃ | O-acyl | H | O | 4-N-acetylcytosine | OH | H |
| CH ₃ | O-acyl | H | O | 6-N-acetyl原因 | OH | H |
| CH ₃ | O-acyl | H | O | 2-N-acetyl-8-fluoroguanine | OH | H |
| CH ₃ | O-acyl | H | O | 4-N-acetyl-5-fluorocytosine | OH | H |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-fluoroadenine | OH | H |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2,8-difluoroadenine | OH | H |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-aminoadenine | OH | H |
| CH ₃ | O-acyl | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | OH | H |
| CH ₃ | O-acyl | H | O | 2-N-acetylaminoadenine | OH | H |
| CH ₃ | O-acyl | H | O | 2-N-acetyl-amino-8-fluoroadenine | OH | H |
| CH ₃ | O-acyl | H | O | 2-N-acetyl-amino-8-fluorohypoxanthine | OH | H |
| CH ₃ | O-acyl | H | O | 2-N-acetylaminohypoxanthine | OH | H |
| CH ₃ | O-amino acid | F | O | Thymine | F | H |
| CH ₃ | O-amino acid | F | O | Uracil | F | H |
| CH ₃ | O-amino acid | F | O | Guanine | F | H |
| CH ₃ | O-amino acid | F | O | Cytosine | F | H |
| CH ₃ | O-amino acid | F | O | Adenine | F | H |
| CH ₃ | O-amino acid | F | O | Hypoxanthine | F | H |
| CH ₃ | O-amino acid | F | O | 5-Fluorouracil | F | H |
| CH ₃ | O-amino acid | F | O | 8-Fluoroguanine | F | H |
| CH ₃ | O-amino acid | F | O | 5-Fluorocytosine | F | H |
| CH ₃ | O-amino acid | F | O | 8-Fluoroadenine | F | H |
| CH ₃ | O-amino acid | F | O | 2-Fluoroadenine | F | H |
| CH ₃ | O-amino acid | F | O | 2,8-Difluoroadenine | F | H |
| CH ₃ | O-amino acid | F | O | 2-Fluorohypoxanthine | F | H |
| CH ₃ | O-amino acid | F | O | 8-Fluorohypoxanthine | F | H |
| CH ₃ | O-amino acid | F | O | 2,8-Difluorohypoxanthine | F | H |
| CH ₃ | O-amino acid | F | O | 2-Aminoadenine | F | H |
| CH ₃ | O-amino acid | F | O | 2-Amino-8-fluoroadenine | F | H |
| CH ₃ | O-amino acid | F | O | 2-Amino-8-fluorohypoxanthine | F | H |
| CH ₃ | O-amino acid | F | O | 2-Aminohypoxanthine | F | H |
| CH ₃ | O-amino acid | F | O | 2-N-acetylguanine | F | H |
| CH ₃ | O-amino acid | F | O | 4-N-acetylcytosine | F | H |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl原因 | F | H |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl-8-fluoroguanine | F | H |
| CH ₃ | O-amino acid | F | O | 4-N-acetyl-5-fluorocytosine | F | H |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-fluoroadenine | F | H |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2,8-difluoroadenine | F | H |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-aminoadenine | F | H |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | H |
| CH ₃ | O-amino acid | F | O | 2-N-acetylaminoadenine | F | H |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl-amino-8-fluoroadenine | F | H |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | F | O | 2-N-acetyl-amino-8-fluorohypoxanthine | F | H |
| CH ₃ | O-amino acid | F | O | 2-N-acetylaminohypoxanthine | F | H |
| CH ₃ | O-amino acid | F | O | Thymine | F | O-amino acid |
| CH ₃ | O-amino acid | F | O | Uracil | F | O-amino acid |
| CH ₃ | O-amino acid | F | O | Guanine | F | O-amino acid |
| CH ₃ | O-amino acid | F | O | Cytosine | F | O-amino acid |
| CH ₃ | O-amino acid | F | O | Adenine | F | O-amino acid |
| CH ₃ | O-amino acid | F | O | Hypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | F | O | 5-Fluorouracil | F | O-amino acid |
| CH ₃ | O-amino acid | F | O | 8-Fluoroguanine | F | O-amino acid |
| CH ₃ | O-amino acid | F | O | 5-Fluorocytosine | F | O-amino acid |
| CH ₃ | O-amino acid | F | O | 8-Fluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-Fluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2,8-Difluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-Fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | F | O | 8-Fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2,8-Difluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-Aminoadenine | F | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-Amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-Amino-8-fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-Aminohypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-N-acetylguanine | F | O-amino acid |
| CH ₃ | O-amino acid | F | O | 4-N-acetylcytosine | F | O-amino acid |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-adenine | F | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl-8-fluoroguanine | F | O-amino acid |
| CH ₃ | O-amino acid | F | O | 4-N-acetyl-5-fluorocytosine | F | O-amino acid |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-fluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2,8-difluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-aminoadenine | F | O-amino acid |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-N-acetylaminoadenine | F | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl-amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl-amino-8-fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-N-acetylaminohypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | F | O | Thymine | F | O-acyl |
| CH ₃ | O-amino acid | F | O | Uracil | F | O-acyl |
| CH ₃ | O-amino acid | F | O | Guanine | F | O-acyl |
| CH ₃ | O-amino acid | F | O | Cytosine | F | O-acyl |
| CH ₃ | O-amino acid | F | O | Adenine | F | O-acyl |
| CH ₃ | O-amino acid | F | O | Hypoxanthine | F | O-acyl |
| CH ₃ | O-amino acid | F | O | 5-Fluorouracil | F | O-acyl |
| CH ₃ | O-amino acid | F | O | 8-Fluoroguanine | F | O-acyl |
| CH ₃ | O-amino acid | F | O | 5-Fluorocytosine | F | O-acyl |
| CH ₃ | O-amino acid | F | O | 8-Fluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-Fluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | F | O | 2,8-Difluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-Fluorohypoxanthine | F | O-acyl |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | F | O | 8-Fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-amino acid | F | O | 2,8-Difluorohypoxanthine | F | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-Aminoadenine | F | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-Amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-Amino-8-fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-Aminohypoxanthine | F | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-N-acetylguanine | F | O-acyl |
| CH ₃ | O-amino acid | F | O | 4-N-acetylcytosine | F | O-acyl |
| CH ₃ | O-amino acid | F | O | 6-N-acetyladenine | F | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl-8-fluoroguanine | F | O-acyl |
| CH ₃ | O-amino acid | F | O | 4-N-acetyl-5-fluorocytosine | F | O-acyl |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-fluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2,8-difluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-aminoadenine | F | O-acyl |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-N-acetylaminoadenine | F | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl-amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl-amino-8-fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-N-acetylaminohypoxanthine | F | O-acyl |
| CH ₃ | O-amino acid | F | O | Thymine | F | OH |
| CH ₃ | O-amino acid | F | O | Uracil | F | OH |
| CH ₃ | O-amino acid | F | O | Guanine | F | OH |
| CH ₃ | O-amino acid | F | O | Cytosine | F | OH |
| CH ₃ | O-amino acid | F | O | Adenine | F | OH |
| CH ₃ | O-amino acid | F | O | Hypoxanthine | F | OH |
| CH ₃ | O-amino acid | F | O | 5-Fluorouracil | F | OH |
| CH ₃ | O-amino acid | F | O | 8-Fluoroguanine | F | OH |
| CH ₃ | O-amino acid | F | O | 5-Fluorocytosine | F | OH |
| CH ₃ | O-amino acid | F | O | 8-Fluoroadenine | F | OH |
| CH ₃ | O-amino acid | F | O | 2-Fluoroadenine | F | OH |
| CH ₃ | O-amino acid | F | O | 2,8-Difluoroadenine | F | OH |
| CH ₃ | O-amino acid | F | O | 2-Fluorohypoxanthine | F | OH |
| CH ₃ | O-amino acid | F | O | 8-Fluorohypoxanthine | F | OH |
| CH ₃ | O-amino acid | F | O | 2,8-Difluorohypoxanthine | F | OH |
| CH ₃ | O-amino acid | F | O | 2-Aminoadenine | F | OH |
| CH ₃ | O-amino acid | F | O | 2-Amino-8-fluoroadenine | F | OH |
| CH ₃ | O-amino acid | F | O | 2-Amino-8-fluorohypoxanthine | F | OH |
| CH ₃ | O-amino acid | F | O | 2-Aminohypoxanthine | F | OH |
| CH ₃ | O-amino acid | F | O | 2-N-acetylguanine | F | OH |
| CH ₃ | O-amino acid | F | O | 4-N-acetylcytosine | F | OH |
| CH ₃ | O-amino acid | F | O | 6-N-acetyladenine | F | OH |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl-8-fluoroguanine | F | OH |
| CH ₃ | O-amino acid | F | O | 4-N-acetyl-5-fluorocytosine | F | OH |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-fluoroadenine | F | OH |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2,8-difluoroadenine | F | OH |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-aminoadenine | F | OH |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | OH |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | F | O | 2-N-acetylaminoadenine | F | OH |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl-amino-8-fluoroadenine | F | OH |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl-amino-8-fluorohypoxanthine | F | OH |
| CH ₃ | O-amino acid | F | O | 2-N-acetylaminohypoxanthine | F | OH |
| CH ₃ | O-amino acid | F | O | Thymine | Br | H |
| CH ₃ | O-amino acid | F | O | Uracil | Br | H |
| CH ₃ | O-amino acid | F | O | Guanine | Br | H |
| CH ₃ | O-amino acid | F | O | Cytosine | Br | H |
| CH ₃ | O-amino acid | F | O | Adenine | Br | H |
| CH ₃ | O-amino acid | F | O | Hypoxanthine | Br | H |
| CH ₃ | O-amino acid | F | O | 5-Fluorouracil | Br | H |
| CH ₃ | O-amino acid | F | O | 8-Fluoroguanine | Br | H |
| CH ₃ | O-amino acid | F | O | 5-Fluorocytosine | Br | H |
| CH ₃ | O-amino acid | F | O | 8-Fluoroadenine | Br | H |
| CH ₃ | O-amino acid | F | O | 2-Fluoroadenine | Br | H |
| CH ₃ | O-amino acid | F | O | 2,8-Difluoroadenine | Br | H |
| CH ₃ | O-amino acid | F | O | 2-Fluorohypoxanthine | Br | H |
| CH ₃ | O-amino acid | F | O | 8-Fluorohypoxanthine | Br | H |
| CH ₃ | O-amino acid | F | O | 2,8-Difluorohypoxanthine | Br | H |
| CH ₃ | O-amino acid | F | O | 2-Aminoadenine | Br | H |
| CH ₃ | O-amino acid | F | O | 2-Amino-8-fluoroadenine | Br | H |
| CH ₃ | O-amino acid | F | O | 2-Amino-8-fluorohypoxanthine | Br | H |
| CH ₃ | O-amino acid | F | O | 2-Aminohypoxanthine | Br | H |
| CH ₃ | O-amino acid | F | O | 2-N-acetylguanine | Br | H |
| CH ₃ | O-amino acid | F | O | 4-N-acetylcytosine | Br | H |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl adenine | Br | H |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl-8-fluoroguanine | Br | H |
| CH ₃ | O-amino acid | F | O | 4-N-acetyl-5-fluorocytosine | Br | H |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-fluoroadenine | Br | H |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2,8-difluoroadenine | Br | H |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-aminoadenine | Br | H |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | H |
| CH ₃ | O-amino acid | F | O | 2-N-acetylaminoadenine | Br | H |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl-amino-8-fluoroadenine | Br | H |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Br | H |
| CH ₃ | O-amino acid | F | O | 2-N-acetylaminohypoxanthine | Br | H |
| CH ₃ | O-amino acid | F | O | Thymine | Br | O-amino acid |
| CH ₃ | O-amino acid | F | O | Uracil | Br | O-amino acid |
| CH ₃ | O-amino acid | F | O | Guanine | Br | O-amino acid |
| CH ₃ | O-amino acid | F | O | Cytosine | Br | O-amino acid |
| CH ₃ | O-amino acid | F | O | Adenine | Br | O-amino acid |
| CH ₃ | O-amino acid | F | O | Hypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | F | O | 5-Fluorouracil | Br | O-amino acid |
| CH ₃ | O-amino acid | F | O | 8-Fluoroguanine | Br | O-amino acid |
| CH ₃ | O-amino acid | F | O | 5-Fluorocytosine | Br | O-amino acid |
| CH ₃ | O-amino acid | F | O | 8-Fluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-Fluoroadenine | Br | O-amino acid |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | F | O | 2,8-Difluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-Fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | F | O | 8-Fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2,8-Difluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-Aminoadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-Amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-Amino-8-fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-Aminohypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-N-acetylguanine | Br | O-amino acid |
| CH ₃ | O-amino acid | F | O | 4-N-acetylcytosine | Br | O-amino acid |
| CH ₃ | O-amino acid | F | O | 6-N-acetyladenine | Br | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl-8-fluoroguanine | Br | O-amino acid |
| CH ₃ | O-amino acid | F | O | 4-N-acetyl-5-fluorocytosine | Br | O-amino acid |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2,8-difluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-aminoadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-N-acetylaminoadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl-amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-N-acetylaminohypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | F | O | Thymine | Br | O-acyl |
| CH ₃ | O-amino acid | F | O | Uracil | Br | O-acyl |
| CH ₃ | O-amino acid | F | O | Guanine | Br | O-acyl |
| CH ₃ | O-amino acid | F | O | Cytosine | Br | O-acyl |
| CH ₃ | O-amino acid | F | O | Adenine | Br | O-acyl |
| CH ₃ | O-amino acid | F | O | Hypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | F | O | 5-Fluorouracil | Br | O-acyl |
| CH ₃ | O-amino acid | F | O | 8-Fluoroguanine | Br | O-acyl |
| CH ₃ | O-amino acid | F | O | 5-Fluorocytosine | Br | O-acyl |
| CH ₃ | O-amino acid | F | O | 8-Fluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-Fluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | F | O | 2,8-Difluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-Fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | F | O | 8-Fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | F | O | 2,8-Difluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-Aminoadenine | Br | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-Amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-Amino-8-fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-Aminohypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-N-acetylguanine | Br | O-acyl |
| CH ₃ | O-amino acid | F | O | 4-N-acetylcytosine | Br | O-acyl |
| CH ₃ | O-amino acid | F | O | 6-N-acetyladenine | Br | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl-8-fluoroguanine | Br | O-acyl |
| CH ₃ | O-amino acid | F | O | 4-N-acetyl-5-fluorocytosine | Br | O-acyl |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-fluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2,8-difluoroadenine | Br | O-acyl |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-aminoadenine | Br | O-acyl |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-N-acetylaminoadenine | Br | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl-amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-N-acetylaminohypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | F | O | Thymine | Br | OH |
| CH ₃ | O-amino acid | F | O | Uracil | Br | OH |
| CH ₃ | O-amino acid | F | O | Guanine | Br | OH |
| CH ₃ | O-amino acid | F | O | Cytosine | Br | OH |
| CH ₃ | O-amino acid | F | O | Adenine | Br | OH |
| CH ₃ | O-amino acid | F | O | Hypoxanthine | Br | OH |
| CH ₃ | O-amino acid | F | O | 5-Fluorouracil | Br | OH |
| CH ₃ | O-amino acid | F | O | 8-Fluoroguanine | Br | OH |
| CH ₃ | O-amino acid | F | O | 5-Fluorocytosine | Br | OH |
| CH ₃ | O-amino acid | F | O | 8-Fluoroadenine | Br | OH |
| CH ₃ | O-amino acid | F | O | 2-Fluoroadenine | Br | OH |
| CH ₃ | O-amino acid | F | O | 2,8-Difluoroadenine | Br | OH |
| CH ₃ | O-amino acid | F | O | 2-Fluorohypoxanthine | Br | OH |
| CH ₃ | O-amino acid | F | O | 8-Fluorohypoxanthine | Br | OH |
| CH ₃ | O-amino acid | F | O | 2,8-Difluorohypoxanthine | Br | OH |
| CH ₃ | O-amino acid | F | O | 2-Aminoadenine | Br | OH |
| CH ₃ | O-amino acid | F | O | 2-Amino-8-fluoroadenine | Br | OH |
| CH ₃ | O-amino acid | F | O | 2-Amino-8-fluorohypoxanthine | Br | OH |
| CH ₃ | O-amino acid | F | O | 2-Aminohypoxanthine | Br | OH |
| CH ₃ | O-amino acid | F | O | 2-N-acetylguanine | Br | OH |
| CH ₃ | O-amino acid | F | O | 4-N-acetylcytosine | Br | OH |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-adenine | Br | OH |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl-8-fluoroguanine | Br | OH |
| CH ₃ | O-amino acid | F | O | 4-N-acetyl-5-fluorocytosine | Br | OH |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-fluoroadenine | Br | OH |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2,8-difluoroadenine | Br | OH |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-aminoadenine | Br | OH |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | OH |
| CH ₃ | O-amino acid | F | O | 2-N-acetylaminoadenine | Br | OH |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl-amino-8-fluoroadenine | Br | OH |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Br | OH |
| CH ₃ | O-amino acid | F | O | 2-N-acetylaminohypoxanthine | Br | OH |
| CH ₃ | O-amino acid | F | O | Thymine | Cl | H |
| CH ₃ | O-amino acid | F | O | Uracil | Cl | H |
| CH ₃ | O-amino acid | F | O | Guanine | Cl | H |
| CH ₃ | O-amino acid | F | O | Cytosine | Cl | H |
| CH ₃ | O-amino acid | F | O | Adenine | Cl | H |
| CH ₃ | O-amino acid | F | O | Hypoxanthine | Cl | H |
| CH ₃ | O-amino acid | F | O | 5-Fluorouracil | Cl | H |
| CH ₃ | O-amino acid | F | O | 8-Fluoroguanine | Cl | H |
| CH ₃ | O-amino acid | F | O | 5-Fluorocytosine | Cl | H |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | F | O | 8-Fluoroadenine | Cl | H |
| CH ₃ | O-amino acid | F | O | 2-Fluoroadenine | Cl | H |
| CH ₃ | O-amino acid | F | O | 2,8-Difluoroadenine | Cl | H |
| CH ₃ | O-amino acid | F | O | 2-Fluorohypoxanthine | Cl | H |
| CH ₃ | O-amino acid | F | O | 8-Fluorohypoxanthine | Cl | H |
| CH ₃ | O-amino acid | F | O | 2,8-Difluorohypoxanthine | Cl | H |
| CH ₃ | O-amino acid | F | O | 2-Aminoadenine | Cl | H |
| CH ₃ | O-amino acid | F | O | 2-Amino-8-fluoroadenine | Cl | H |
| CH ₃ | O-amino acid | F | O | 2-Amino-8-fluorohypoxanthine | Cl | H |
| CH ₃ | O-amino acid | F | O | 2-Aminohypoxanthine | Cl | H |
| CH ₃ | O-amino acid | F | O | 2-N-acetylguanine | Cl | H |
| CH ₃ | O-amino acid | F | O | 4-N-acetylcytosine | Cl | H |
| CH ₃ | O-amino acid | F | O | 6-N-acetyladenine | Cl | H |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl-8-fluoroguanine | Cl | H |
| CH ₃ | O-amino acid | F | O | 4-N-acetyl-5-fluorocytosine | Cl | H |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-fluoroadenine | Cl | H |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2,8-difluoroadenine | Cl | H |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-aminoadenine | Cl | H |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | H |
| CH ₃ | O-amino acid | F | O | 2-N-acetylaminoadenine | Cl | H |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl-amino-8-fluoroadenine | Cl | H |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Cl | H |
| CH ₃ | O-amino acid | F | O | 2-N-acetylaminohypoxanthine | Cl | H |
| CH ₃ | O-amino acid | F | O | Thymine | Cl | O-amino acid |
| CH ₃ | O-amino acid | F | O | Uracil | Cl | O-amino acid |
| CH ₃ | O-amino acid | F | O | Guanine | Cl | O-amino acid |
| CH ₃ | O-amino acid | F | O | Cytosine | Cl | O-amino acid |
| CH ₃ | O-amino acid | F | O | Adenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | F | O | Hypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | F | O | 5-Fluorouracil | Cl | O-amino acid |
| CH ₃ | O-amino acid | F | O | 8-Fluoroguanine | Cl | O-amino acid |
| CH ₃ | O-amino acid | F | O | 5-Fluorocytosine | Cl | O-amino acid |
| CH ₃ | O-amino acid | F | O | 8-Fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-Fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2,8-Difluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-Fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | F | O | 8-Fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2,8-Difluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-Aminoadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-Amino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-Amino-8-fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-Aminohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-N-acetylguanine | Cl | O-amino acid |
| CH ₃ | O-amino acid | F | O | 4-N-acetylcytosine | Cl | O-amino acid |
| CH ₃ | O-amino acid | F | O | 6-N-acetyladenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl-8-fluoroguanine | Cl | O-amino acid |
| CH ₃ | O-amino acid | F | O | 4-N-acetyl-5-fluorocytosine | Cl | O-amino acid |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2,8-difluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-aminoadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-N-acetylaminoadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl-amino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-N-acetylaminohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | F | O | Thymine | Cl | O-acyl |
| CH ₃ | O-amino acid | F | O | Uracil | Cl | O-acyl |
| CH ₃ | O-amino acid | F | O | Guanine | Cl | O-acyl |
| CH ₃ | O-amino acid | F | O | Cytosine | Cl | O-acyl |
| CH ₃ | O-amino acid | F | O | Adenine | Cl | O-acyl |
| CH ₃ | O-amino acid | F | O | Hypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | F | O | 5-Fluorouracil | Cl | O-acyl |
| CH ₃ | O-amino acid | F | O | 8-Fluoroguanine | Cl | O-acyl |
| CH ₃ | O-amino acid | F | O | 5-Fluorocytosine | Cl | O-acyl |
| CH ₃ | O-amino acid | F | O | 8-Fluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-Fluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | F | O | 2,8-Difluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-Fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | F | O | 8-Fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | F | O | 2,8-Difluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-Aminoadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-Amino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-Amino-8-fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-Aminohypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-N-acetylguanine | Cl | O-acyl |
| CH ₃ | O-amino acid | F | O | 4-N-acetylcytosine | Cl | O-acyl |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl adenine | Cl | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl-8-fluoroguanine | Cl | O-acyl |
| CH ₃ | O-amino acid | F | O | 4-N-acetyl-5-fluorocytosine | Cl | O-acyl |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2,8-difluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-aminoadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-N-acetylaminoadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl-amino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-N-acetylaminohypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | F | O | Thymine | Cl | OH |
| CH ₃ | O-amino acid | F | O | Uracil | Cl | OH |
| CH ₃ | O-amino acid | F | O | Guanine | Cl | OH |
| CH ₃ | O-amino acid | F | O | Cytosine | Cl | OH |
| CH ₃ | O-amino acid | F | O | Adenine | Cl | OH |
| CH ₃ | O-amino acid | F | O | Hypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | F | O | 5-Fluorouracil | Cl | OH |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | F | O | 8-Fluoroguanine | Cl | OH |
| CH ₃ | O-amino acid | F | O | 5-Fluorocytosine | Cl | OH |
| CH ₃ | O-amino acid | F | O | 8-Fluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | F | O | 2-Fluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | F | O | 2,8-Difluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | F | O | 2-Fluorohypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | F | O | 8-Fluorohypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | F | O | 2,8-Difluorohypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | F | O | 2-Aminoadenine | Cl | OH |
| CH ₃ | O-amino acid | F | O | 2-Amino-8-fluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | F | O | 2-Amino-8-fluorohypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | F | O | 2-Aminohypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | F | O | 2-N-acetylguanine | Cl | OH |
| CH ₃ | O-amino acid | F | O | 4-N-acetylcytosine | Cl | OH |
| CH ₃ | O-amino acid | F | O | 6-N-acetyladenine | Cl | OH |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl-8-fluoroguanine | Cl | OH |
| CH ₃ | O-amino acid | F | O | 4-N-acetyl-5-fluorocytosine | Cl | OH |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-fluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2,8-difluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-aminoadenine | Cl | OH |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | F | O | 2-N-acetylaminoadenine | Cl | OH |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl-amino-8-fluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | F | O | 2-N-acetylaminohypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | F | O | Thymine | H | H |
| CH ₃ | O-amino acid | F | O | Uracil | H | H |
| CH ₃ | O-amino acid | F | O | Guanine | H | H |
| CH ₃ | O-amino acid | F | O | Cytosine | H | H |
| CH ₃ | O-amino acid | F | O | Adenine | H | H |
| CH ₃ | O-amino acid | F | O | Hypoxanthine | H | H |
| CH ₃ | O-amino acid | F | O | 5-Fluorouracil | H | H |
| CH ₃ | O-amino acid | F | O | 8-Fluoroguanine | H | H |
| CH ₃ | O-amino acid | F | O | 5-Fluorocytosine | H | H |
| CH ₃ | O-amino acid | F | O | 8-Fluoroadenine | H | H |
| CH ₃ | O-amino acid | F | O | 2-Fluoroadenine | H | H |
| CH ₃ | O-amino acid | F | O | 2,8-Difluoroadenine | H | H |
| CH ₃ | O-amino acid | F | O | 2-Fluorohypoxanthine | H | H |
| CH ₃ | O-amino acid | F | O | 8-Fluorohypoxanthine | H | H |
| CH ₃ | O-amino acid | F | O | 2,8-Difluorohypoxanthine | H | H |
| CH ₃ | O-amino acid | F | O | 2-Aminoadenine | H | H |
| CH ₃ | O-amino acid | F | O | 2-Amino-8-fluoroadenine | H | H |
| CH ₃ | O-amino acid | F | O | 2-Amino-8-fluorohypoxanthine | H | H |
| CH ₃ | O-amino acid | F | O | 2-Aminohypoxanthine | H | H |
| CH ₃ | O-amino acid | F | O | 2-N-acetylguanine | H | H |
| CH ₃ | O-amino acid | F | O | 4-N-acetylcytosine | H | H |
| CH ₃ | O-amino acid | F | O | 6-N-acetyladenine | H | H |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|--------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | F | O | 2-N-acetyl-8-fluoroguanine | H | H |
| CH ₃ | O-amino acid | F | O | 4-N-acetyl-5-fluorocytosine | H | H |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-fluoroadenine | H | H |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2,8-difluoroadenine | H | H |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-aminoadenine | H | H |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | H |
| CH ₃ | O-amino acid | F | O | 2-N-acetylaminoadenine | H | H |
| CH ₃ | O-amino acid | F | O | 2-N-acetylamino-8-fluoroadenine | H | H |
| CH ₃ | O-amino acid | F | O | 2-N-acetylamino-8-fluorohypoxanthine | H | H |
| CH ₃ | O-amino acid | F | O | 2-N-acetylaminohypoxanthine | H | H |
| CH ₃ | O-amino acid | F | O | Thymine | H | O-amino acid |
| CH ₃ | O-amino acid | F | O | Uracil | H | O-amino acid |
| CH ₃ | O-amino acid | F | O | Guanine | H | O-amino acid |
| CH ₃ | O-amino acid | F | O | Cytosine | H | O-amino acid |
| CH ₃ | O-amino acid | F | O | Adenine | H | O-amino acid |
| CH ₃ | O-amino acid | F | O | Hypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | F | O | 5-Fluorouracil | H | O-amino acid |
| CH ₃ | O-amino acid | F | O | 8-Fluoroguanine | H | O-amino acid |
| CH ₃ | O-amino acid | F | O | 5-Fluorocytosine | H | O-amino acid |
| CH ₃ | O-amino acid | F | O | 8-Fluoroadenine | H | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-Fluoroadenine | H | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2,8-Difluoroadenine | H | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-Fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | F | O | 8-Fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2,8-Difluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-Aminoadenine | H | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-Amino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-Amino-8-fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-Aminohypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-N-acetylguanine | H | O-amino acid |
| CH ₃ | O-amino acid | F | O | 4-N-acetylcytosine | H | O-amino acid |
| CH ₃ | O-amino acid | F | O | 6-N-acetyladenine | H | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl-8-fluoroguanine | H | O-amino acid |
| CH ₃ | O-amino acid | F | O | 4-N-acetyl-5-fluorocytosine | H | O-amino acid |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-fluoroadenine | H | O-amino acid |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2,8-difluoroadenine | H | O-amino acid |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-aminoadenine | H | O-amino acid |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-N-acetylaminoadenine | H | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-N-acetylamino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-N-acetylamino-8-fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | F | O | 2-N-acetylaminohypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | F | O | Thymine | H | O-acyl |
| CH ₃ | O-amino acid | F | O | Uracil | H | O-acyl |
| CH ₃ | O-amino acid | F | O | Guanine | H | O-acyl |
| CH ₃ | O-amino acid | F | O | Cytosine | H | O-acyl |
| CH ₃ | O-amino acid | F | O | Adenine | H | O-acyl |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | F | O | Hypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | F | O | 5-Fluorouracil | H | O-acyl |
| CH ₃ | O-amino acid | F | O | 8-Fluoroguanine | H | O-acyl |
| CH ₃ | O-amino acid | F | O | 5-Fluorocytosine | H | O-acyl |
| CH ₃ | O-amino acid | F | O | 8-Fluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-Fluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | F | O | 2,8-Difluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-Fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | F | O | 8-Fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | F | O | 2,8-Difluorohypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-Aminoadenine | H | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-Amino-8-fluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-Amino-8-fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-Aminohypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-N-acetylguanine | H | O-acyl |
| CH ₃ | O-amino acid | F | O | 4-N-acetylcytosine | H | O-acyl |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl原因 | H | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl-8-fluoroguanine | H | O-acyl |
| CH ₃ | O-amino acid | F | O | 4-N-acetyl-5-fluorocytosine | H | O-acyl |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-fluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2,8-difluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-aminoadenine | H | O-acyl |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-N-acetylaminoadenine | H | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl-amino-8-fluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl-amino-8-fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | F | O | 2-N-acetylaminohypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | F | O | Thymine | H | OH |
| CH ₃ | O-amino acid | F | O | Uracil | H | OH |
| CH ₃ | O-amino acid | F | O | Guanine | H | OH |
| CH ₃ | O-amino acid | F | O | Cytosine | H | OH |
| CH ₃ | O-amino acid | F | O | Adenine | H | OH |
| CH ₃ | O-amino acid | F | O | Hypoxanthine | H | OH |
| CH ₃ | O-amino acid | F | O | 5-Fluorouracil | H | OH |
| CH ₃ | O-amino acid | F | O | 8-Fluoroguanine | H | OH |
| CH ₃ | O-amino acid | F | O | 5-Fluorocytosine | H | OH |
| CH ₃ | O-amino acid | F | O | 8-Fluoroadenine | H | OH |
| CH ₃ | O-amino acid | F | O | 2-Fluoroadenine | H | OH |
| CH ₃ | O-amino acid | F | O | 2,8-Difluoroadenine | H | OH |
| CH ₃ | O-amino acid | F | O | 2-Fluorohypoxanthine | H | OH |
| CH ₃ | O-amino acid | F | O | 8-Fluorohypoxanthine | H | OH |
| CH ₃ | O-amino acid | F | O | 2,8-Difluorohypoxanthine | H | OH |
| CH ₃ | O-amino acid | F | O | 2-Aminoadenine | H | OH |
| CH ₃ | O-amino acid | F | O | 2-Amino-8-fluoroadenine | H | OH |
| CH ₃ | O-amino acid | F | O | 2-Amino-8-fluorohypoxanthine | H | OH |
| CH ₃ | O-amino acid | F | O | 2-Aminohypoxanthine | H | OH |
| CH ₃ | O-amino acid | F | O | 2-N-acetylguanine | H | OH |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | F | O | 4-N-acetylcytosine | H | OH |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl原因 | H | OH |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl-8-fluoroguanine | H | OH |
| CH ₃ | O-amino acid | F | O | 4-N-acetyl-5-fluorocytosine | H | OH |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-fluoroadenine | H | OH |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2,8-difluoroadenine | H | OH |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-aminoadenine | H | OH |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | OH |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl原因 | H | OH |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl原因-8-fluoroadenine | H | OH |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl原因-8-fluorohypoxanthine | H | OH |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl原因hypoxanthine | H | OH |
| CH ₃ | O-amino acid | F | O | Thymine | OH | H |
| CH ₃ | O-amino acid | F | O | Uracil | OH | H |
| CH ₃ | O-amino acid | F | O | Guanine | OH | H |
| CH ₃ | O-amino acid | F | O | Cytosine | OH | H |
| CH ₃ | O-amino acid | F | O | Adenine | OH | H |
| CH ₃ | O-amino acid | F | O | Hypoxanthine | OH | H |
| CH ₃ | O-amino acid | F | O | 5-Fluorouracil | OH | H |
| CH ₃ | O-amino acid | F | O | 8-Fluoroguanine | OH | H |
| CH ₃ | O-amino acid | F | O | 5-Fluorocytosine | OH | H |
| CH ₃ | O-amino acid | F | O | 8-Fluoroadenine | OH | H |
| CH ₃ | O-amino acid | F | O | 2-Fluoroadenine | OH | H |
| CH ₃ | O-amino acid | F | O | 2,8-Difluoroadenine | OH | H |
| CH ₃ | O-amino acid | F | O | 2-Fluorohypoxanthine | OH | H |
| CH ₃ | O-amino acid | F | O | 8-Fluorohypoxanthine | OH | H |
| CH ₃ | O-amino acid | F | O | 2,8-Difluorohypoxanthine | OH | H |
| CH ₃ | O-amino acid | F | O | 2-Aminoadenine | OH | H |
| CH ₃ | O-amino acid | F | O | 2-Amino-8-fluoroadenine | OH | H |
| CH ₃ | O-amino acid | F | O | 2-Amino-8-fluorohypoxanthine | OH | H |
| CH ₃ | O-amino acid | F | O | 2-Aminohypoxanthine | OH | H |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl原因 | OH | H |
| CH ₃ | O-amino acid | F | O | 4-N-acetylcytosine | OH | H |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl原因 | OH | H |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl-8-fluoroguanine | OH | H |
| CH ₃ | O-amino acid | F | O | 4-N-acetyl-5-fluorocytosine | OH | H |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-fluoroadenine | OH | H |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2,8-difluoroadenine | OH | H |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-aminoadenine | OH | H |
| CH ₃ | O-amino acid | F | O | 6-N-acetyl-2-amino-8-fluoroadenine | OH | H |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl原因 | OH | H |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl原因-8-fluoroadenine | OH | H |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl原因-8-fluorohypoxanthine | OH | H |
| CH ₃ | O-amino acid | F | O | 2-N-acetyl原因hypoxanthine | OH | H |
| CH ₃ | O-amino acid | Br | O | Thymine | F | H |
| CH ₃ | O-amino acid | Br | O | Uracil | F | H |
| CH ₃ | O-amino acid | Br | O | Guanine | F | H |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | Br | O | Cytosine | F | H |
| CH ₃ | O-amino acid | Br | O | Adenine | F | H |
| CH ₃ | O-amino acid | Br | O | Hypoxanthine | F | H |
| CH ₃ | O-amino acid | Br | O | 5-Fluorouracil | F | H |
| CH ₃ | O-amino acid | Br | O | 8-Fluoroguanine | F | H |
| CH ₃ | O-amino acid | Br | O | 5-Fluorocytosine | F | H |
| CH ₃ | O-amino acid | Br | O | 8-Fluoroadenine | F | H |
| CH ₃ | O-amino acid | Br | O | 2-Fluoroadenine | F | H |
| CH ₃ | O-amino acid | Br | O | 2,8-Difluoroadenine | F | H |
| CH ₃ | O-amino acid | Br | O | 2-Fluorohypoxanthine | F | H |
| CH ₃ | O-amino acid | Br | O | 8-Fluorohypoxanthine | F | H |
| CH ₃ | O-amino acid | Br | O | 2,8-Difluorohypoxanthine | F | H |
| CH ₃ | O-amino acid | Br | O | 2-Aminoadenine | F | H |
| CH ₃ | O-amino acid | Br | O | 2-Amino-8-fluoroadenine | F | H |
| CH ₃ | O-amino acid | Br | O | 2-Amino-8-fluorohypoxanthine | F | H |
| CH ₃ | O-amino acid | Br | O | 2-Aminohypoxanthine | F | H |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylguanine | F | H |
| CH ₃ | O-amino acid | Br | O | 4-N-acetylcytosine | F | H |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyladenine | F | H |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl-8-fluoroguanine | F | H |
| CH ₃ | O-amino acid | Br | O | 4-N-acetyl-5-fluorocytosine | F | H |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-fluoroadenine | F | H |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2,8-difluoroadenine | F | H |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-aminoadenine | F | H |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | H |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylaminoadenine | F | H |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl-amino-8-fluoroadenine | F | H |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl-amino-8-fluorohypoxanthine | F | H |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylaminohypoxanthine | F | H |
| CH ₃ | O-amino acid | Br | O | Thymine | F | O-amino acid |
| CH ₃ | O-amino acid | Br | O | Uracil | F | O-amino acid |
| CH ₃ | O-amino acid | Br | O | Guanine | F | O-amino acid |
| CH ₃ | O-amino acid | Br | O | Cytosine | F | O-amino acid |
| CH ₃ | O-amino acid | Br | O | Adenine | F | O-amino acid |
| CH ₃ | O-amino acid | Br | O | Hypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 5-Fluorouracil | F | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 8-Fluoroguanine | F | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 5-Fluorocytosine | F | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 8-Fluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2-Fluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2,8-Difluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2-Fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 8-Fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2,8-Difluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2-Aminoadenine | F | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2-Amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2-Amino-8-fluorohypoxanthine | F | O-amino acid |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | Br | O | 2-Aminohypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylguanine | F | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 4-N-acetylcytosine | F | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyladenine | F | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl-8-fluoroguanine | F | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 4-N-acetyl-5-fluorocytosine | F | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-fluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2,8-difluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-aminoadenine | F | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylaminoadenine | F | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl-amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl-amino-8-fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylaminohypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | Br | O | Thymine | F | O-acyl |
| CH ₃ | O-amino acid | Br | O | Uracil | F | O-acyl |
| CH ₃ | O-amino acid | Br | O | Guanine | F | O-acyl |
| CH ₃ | O-amino acid | Br | O | Cytosine | F | O-acyl |
| CH ₃ | O-amino acid | Br | O | Adenine | F | O-acyl |
| CH ₃ | O-amino acid | Br | O | Hypoxanthine | F | O-acyl |
| CH ₃ | O-amino acid | Br | O | 5-Fluorouracil | F | O-acyl |
| CH ₃ | O-amino acid | Br | O | 8-Fluoroguanine | F | O-acyl |
| CH ₃ | O-amino acid | Br | O | 5-Fluorocytosine | F | O-acyl |
| CH ₃ | O-amino acid | Br | O | 8-Fluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-Fluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2,8-Difluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-Fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-amino acid | Br | O | 8-Fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2,8-Difluorohypoxanthine | F | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-Aminoadenine | F | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-Amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-Amino-8-fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-Aminohypoxanthine | F | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylguanine | F | O-acyl |
| CH ₃ | O-amino acid | Br | O | 4-N-acetylcytosine | F | O-acyl |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyladenine | F | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl-8-fluoroguanine | F | O-acyl |
| CH ₃ | O-amino acid | Br | O | 4-N-acetyl-5-fluorocytosine | F | O-acyl |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-fluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2,8-difluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-aminoadenine | F | O-acyl |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylaminoadenine | F | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl-amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl-amino-8-fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylaminohypoxanthine | F | O-acyl |
| CH ₃ | O-amino acid | Br | O | Thymine | F | OH |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | Br | O | Uracil | F | OH |
| CH ₃ | O-amino acid | Br | O | Guanine | F | OH |
| CH ₃ | O-amino acid | Br | O | Cytosine | F | OH |
| CH ₃ | O-amino acid | Br | O | Adenine | F | OH |
| CH ₃ | O-amino acid | Br | O | Hypoxanthine | F | OH |
| CH ₃ | O-amino acid | Br | O | 5-Fluorouracil | F | OH |
| CH ₃ | O-amino acid | Br | O | 8-Fluoroguanine | F | OH |
| CH ₃ | O-amino acid | Br | O | 5-Fluorocytosine | F | OH |
| CH ₃ | O-amino acid | Br | O | 8-Fluoroadenine | F | OH |
| CH ₃ | O-amino acid | Br | O | 2-Fluoroadenine | F | OH |
| CH ₃ | O-amino acid | Br | O | 2,8-Difluoroadenine | F | OH |
| CH ₃ | O-amino acid | Br | O | 2-Fluorohypoxanthine | F | OH |
| CH ₃ | O-amino acid | Br | O | 8-Fluorohypoxanthine | F | OH |
| CH ₃ | O-amino acid | Br | O | 2,8-Difluorohypoxanthine | F | OH |
| CH ₃ | O-amino acid | Br | O | 2-Aminoadenine | F | OH |
| CH ₃ | O-amino acid | Br | O | 2-Amino-8-fluoroadenine | F | OH |
| CH ₃ | O-amino acid | Br | O | 2-Amino-8-fluorohypoxanthine | F | OH |
| CH ₃ | O-amino acid | Br | O | 2-Aminohypoxanthine | F | OH |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylguanine | F | OH |
| CH ₃ | O-amino acid | Br | O | 4-N-acetylcytosine | F | OH |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl adenine | F | OH |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl-8-fluoroguanine | F | OH |
| CH ₃ | O-amino acid | Br | O | 4-N-acetyl-5-fluorocytosine | F | OH |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-fluoroadenine | F | OH |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2,8-difluoroadenine | F | OH |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-aminoadenine | F | OH |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | OH |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylaminoadenine | F | OH |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl amino-8-fluoroadenine | F | OH |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl amino-8-fluorohypoxanthine | F | OH |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylaminohypoxanthine | F | OH |
| CH ₃ | O-amino acid | Br | O | Thymine | Br | H |
| CH ₃ | O-amino acid | Br | O | Uracil | Br | H |
| CH ₃ | O-amino acid | Br | O | Guanine | Br | H |
| CH ₃ | O-amino acid | Br | O | Cytosine | Br | H |
| CH ₃ | O-amino acid | Br | O | Adenine | Br | H |
| CH ₃ | O-amino acid | Br | O | Hypoxanthine | Br | H |
| CH ₃ | O-amino acid | Br | O | 5-Fluorouracil | Br | H |
| CH ₃ | O-amino acid | Br | O | 8-Fluoroguanine | Br | H |
| CH ₃ | O-amino acid | Br | O | 5-Fluorocytosine | Br | H |
| CH ₃ | O-amino acid | Br | O | 8-Fluoroadenine | Br | H |
| CH ₃ | O-amino acid | Br | O | 2-Fluoroadenine | Br | H |
| CH ₃ | O-amino acid | Br | O | 2,8-Difluoroadenine | Br | H |
| CH ₃ | O-amino acid | Br | O | 2-Fluorohypoxanthine | Br | H |
| CH ₃ | O-amino acid | Br | O | 8-Fluorohypoxanthine | Br | H |
| CH ₃ | O-amino acid | Br | O | 2,8-Difluorohypoxanthine | Br | H |
| CH ₃ | O-amino acid | Br | O | 2-Aminoadenine | Br | H |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|--------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | Br | O | 2-Amino-8-fluoroadenine | Br | H |
| CH ₃ | O-amino acid | Br | O | 2-Amino-8-fluorohypoxanthine | Br | H |
| CH ₃ | O-amino acid | Br | O | 2-Aminohypoxanthine | Br | H |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylguanine | Br | H |
| CH ₃ | O-amino acid | Br | O | 4-N-acetylcytosine | Br | H |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyladenine | Br | H |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl-8-fluoroguanine | Br | H |
| CH ₃ | O-amino acid | Br | O | 4-N-acetyl-5-fluorocytosine | Br | H |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-fluoroadenine | Br | H |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2,8-difluoroadenine | Br | H |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-aminoadenine | Br | H |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | H |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylaminoadenine | Br | H |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylamino-8-fluoroadenine | Br | H |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylamino-8-fluorohypoxanthine | Br | H |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylaminohypoxanthine | Br | H |
| CH ₃ | O-amino acid | Br | O | Thymine | Br | O-amino acid |
| CH ₃ | O-amino acid | Br | O | Uracil | Br | O-amino acid |
| CH ₃ | O-amino acid | Br | O | Guanine | Br | O-amino acid |
| CH ₃ | O-amino acid | Br | O | Cytosine | Br | O-amino acid |
| CH ₃ | O-amino acid | Br | O | Adenine | Br | O-amino acid |
| CH ₃ | O-amino acid | Br | O | Hypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 5-Fluorouracil | Br | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 8-Fluoroguanine | Br | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 5-Fluorocytosine | Br | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 8-Fluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2-Fluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2,8-Difluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2-Fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 8-Fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2,8-Difluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2-Aminoadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2-Amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2-Amino-8-fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2-Aminohypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylguanine | Br | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 4-N-acetylcytosine | Br | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyladenine | Br | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl-8-fluoroguanine | Br | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 4-N-acetyl-5-fluorocytosine | Br | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2,8-difluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-aminoadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylaminoadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylamino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylamino-8-fluorohypoxanthine | Br | O-amino acid |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | Br | O | 2-N-acetylaminohypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | Br | O | Thymine | Br | O-acyl |
| CH ₃ | O-amino acid | Br | O | Uracil | Br | O-acyl |
| CH ₃ | O-amino acid | Br | O | Guanine | Br | O-acyl |
| CH ₃ | O-amino acid | Br | O | Cytosine | Br | O-acyl |
| CH ₃ | O-amino acid | Br | O | Adenine | Br | O-acyl |
| CH ₃ | O-amino acid | Br | O | Hypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | Br | O | 5-Fluorouracil | Br | O-acyl |
| CH ₃ | O-amino acid | Br | O | 8-Fluoroguanine | Br | O-acyl |
| CH ₃ | O-amino acid | Br | O | 5-Fluorocytosine | Br | O-acyl |
| CH ₃ | O-amino acid | Br | O | 8-Fluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-Fluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2,8-Difluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-Fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | Br | O | 8-Fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2,8-Difluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-Aminoadenine | Br | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-Amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-Amino-8-fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-Aminohypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylguanine | Br | O-acyl |
| CH ₃ | O-amino acid | Br | O | 4-N-acetylcytosine | Br | O-acyl |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl adenine | Br | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl-8-fluoroguanine | Br | O-acyl |
| CH ₃ | O-amino acid | Br | O | 4-N-acetyl-5-fluorocytosine | Br | O-acyl |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-fluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2,8-difluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-aminoadenine | Br | O-acyl |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylaminoadenine | Br | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl-amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylaminohypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | Br | O | Thymine | Br | OH |
| CH ₃ | O-amino acid | Br | O | Uracil | Br | OH |
| CH ₃ | O-amino acid | Br | O | Guanine | Br | OH |
| CH ₃ | O-amino acid | Br | O | Cytosine | Br | OH |
| CH ₃ | O-amino acid | Br | O | Adenine | Br | OH |
| CH ₃ | O-amino acid | Br | O | Hypoxanthine | Br | OH |
| CH ₃ | O-amino acid | Br | O | 5-Fluorouracil | Br | OH |
| CH ₃ | O-amino acid | Br | O | 8-Fluoroguanine | Br | OH |
| CH ₃ | O-amino acid | Br | O | 5-Fluorocytosine | Br | OH |
| CH ₃ | O-amino acid | Br | O | 8-Fluoroadenine | Br | OH |
| CH ₃ | O-amino acid | Br | O | 2-Fluoroadenine | Br | OH |
| CH ₃ | O-amino acid | Br | O | 2,8-Difluoroadenine | Br | OH |
| CH ₃ | O-amino acid | Br | O | 2-Fluorohypoxanthine | Br | OH |
| CH ₃ | O-amino acid | Br | O | 8-Fluorohypoxanthine | Br | OH |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|--------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | Br | O | 2,8-Difluorohypoxanthine | Br | OH |
| CH ₃ | O-amino acid | Br | O | 2-Aminoadenine | Br | OH |
| CH ₃ | O-amino acid | Br | O | 2-Amino-8-fluoroadenine | Br | OH |
| CH ₃ | O-amino acid | Br | O | 2-Amino-8-fluorohypoxanthine | Br | OH |
| CH ₃ | O-amino acid | Br | O | 2-Aminohypoxanthine | Br | OH |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylguanine | Br | OH |
| CH ₃ | O-amino acid | Br | O | 4-N-acetylcytosine | Br | OH |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyladenine | Br | OH |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl-8-fluoroguanine | Br | OH |
| CH ₃ | O-amino acid | Br | O | 4-N-acetyl-5-fluorocytosine | Br | OH |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-fluoroadenine | Br | OH |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2,8-difluoroadenine | Br | OH |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-aminoadenine | Br | OH |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | OH |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylaminoadenine | Br | OH |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylamino-8-fluoroadenine | Br | OH |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylamino-8-fluorohypoxanthine | Br | OH |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylaminohypoxanthine | Br | OH |
| CH ₃ | O-amino acid | Br | O | Thymine | Cl | H |
| CH ₃ | O-amino acid | Br | O | Uracil | Cl | H |
| CH ₃ | O-amino acid | Br | O | Guanine | Cl | H |
| CH ₃ | O-amino acid | Br | O | Cytosine | Cl | H |
| CH ₃ | O-amino acid | Br | O | Adenine | Cl | H |
| CH ₃ | O-amino acid | Br | O | Hypoxanthine | Cl | H |
| CH ₃ | O-amino acid | Br | O | 5-Fluorouracil | Cl | H |
| CH ₃ | O-amino acid | Br | O | 8-Fluoroguanine | Cl | H |
| CH ₃ | O-amino acid | Br | O | 5-Fluorocytosine | Cl | H |
| CH ₃ | O-amino acid | Br | O | 8-Fluoroadenine | Cl | H |
| CH ₃ | O-amino acid | Br | O | 2-Fluoroadenine | Cl | H |
| CH ₃ | O-amino acid | Br | O | 2,8-Difluoroadenine | Cl | H |
| CH ₃ | O-amino acid | Br | O | 2-Fluorohypoxanthine | Cl | H |
| CH ₃ | O-amino acid | Br | O | 8-Fluorohypoxanthine | Cl | H |
| CH ₃ | O-amino acid | Br | O | 2,8-Difluorohypoxanthine | Cl | H |
| CH ₃ | O-amino acid | Br | O | 2-Aminoadenine | Cl | H |
| CH ₃ | O-amino acid | Br | O | 2-Amino-8-fluoroadenine | Cl | H |
| CH ₃ | O-amino acid | Br | O | 2-Amino-8-fluorohypoxanthine | Cl | H |
| CH ₃ | O-amino acid | Br | O | 2-Aminohypoxanthine | Cl | H |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylguanine | Cl | H |
| CH ₃ | O-amino acid | Br | O | 4-N-acetylcytosine | Cl | H |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyladenine | Cl | H |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl-8-fluoroguanine | Cl | H |
| CH ₃ | O-amino acid | Br | O | 4-N-acetyl-5-fluorocytosine | Cl | H |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-fluoroadenine | Cl | H |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2,8-difluoroadenine | Cl | H |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-aminoadenine | Cl | H |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | H |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylaminoadenine | Cl | H |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl-amino-8-fluoroadenine | Cl | H |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Cl | H |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylaminohypoxanthine | Cl | H |
| CH ₃ | O-amino acid | Br | O | Thymine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Br | O | Uracil | Cl | O-amino acid |
| CH ₃ | O-amino acid | Br | O | Guanine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Br | O | Cytosine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Br | O | Adenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Br | O | Hypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 5-Fluorouracil | Cl | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 8-Fluoroguanine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 5-Fluorocytosine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 8-Fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2-Fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2,8-Difluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2-Fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 8-Fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2,8-Difluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2-Amino-adenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2-Amino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2-Amino-8-fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2-Aminohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl-guanine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 4-N-acetylcytosine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-adenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl-8-fluoroguanine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 4-N-acetyl-5-fluorocytosine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2,8-difluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-amino-adenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl-amino-adenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl-amino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylaminohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Br | O | Thymine | Cl | O-acyl |
| CH ₃ | O-amino acid | Br | O | Uracil | Cl | O-acyl |
| CH ₃ | O-amino acid | Br | O | Guanine | Cl | O-acyl |
| CH ₃ | O-amino acid | Br | O | Cytosine | Cl | O-acyl |
| CH ₃ | O-amino acid | Br | O | Adenine | Cl | O-acyl |
| CH ₃ | O-amino acid | Br | O | Hypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | Br | O | 5-Fluorouracil | Cl | O-acyl |
| CH ₃ | O-amino acid | Br | O | 8-Fluoroguanine | Cl | O-acyl |
| CH ₃ | O-amino acid | Br | O | 5-Fluorocytosine | Cl | O-acyl |
| CH ₃ | O-amino acid | Br | O | 8-Fluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-Fluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2,8-Difluoroadenine | Cl | O-acyl |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | Br | O | 2-Fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | Br | O | 8-Fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2,8-Difluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-Aminoadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-Amino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-Amino-8-fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-Aminohypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylguanine | Cl | O-acyl |
| CH ₃ | O-amino acid | Br | O | 4-N-acetylcytosine | Cl | O-acyl |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyladenine | Cl | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl-8-fluoroguanine | Cl | O-acyl |
| CH ₃ | O-amino acid | Br | O | 4-N-acetyl-5-fluorocytosine | Cl | O-acyl |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2,8-difluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-aminoadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylaminoadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl-amino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylaminohypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | Br | O | Thymine | Cl | OH |
| CH ₃ | O-amino acid | Br | O | Uracil | Cl | OH |
| CH ₃ | O-amino acid | Br | O | Guanine | Cl | OH |
| CH ₃ | O-amino acid | Br | O | Cytosine | Cl | OH |
| CH ₃ | O-amino acid | Br | O | Adenine | Cl | OH |
| CH ₃ | O-amino acid | Br | O | Hypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | Br | O | 5-Fluorouracil | Cl | OH |
| CH ₃ | O-amino acid | Br | O | 8-Fluoroguanine | Cl | OH |
| CH ₃ | O-amino acid | Br | O | 5-Fluorocytosine | Cl | OH |
| CH ₃ | O-amino acid | Br | O | 8-Fluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | Br | O | 2-Fluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | Br | O | 2,8-Difluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | Br | O | 2-Fluorohypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | Br | O | 8-Fluorohypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | Br | O | 2,8-Difluorohypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | Br | O | 2-Aminoadenine | Cl | OH |
| CH ₃ | O-amino acid | Br | O | 2-Amino-8-fluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | Br | O | 2-Amino-8-fluorohypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | Br | O | 2-Aminohypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylguanine | Cl | OH |
| CH ₃ | O-amino acid | Br | O | 4-N-acetylcytosine | Cl | OH |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyladenine | Cl | OH |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl-8-fluoroguanine | Cl | OH |
| CH ₃ | O-amino acid | Br | O | 4-N-acetyl-5-fluorocytosine | Cl | OH |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-fluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2,8-difluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-aminoadenine | Cl | OH |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylaminoadenine | Cl | OH |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl-amino-8-fluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylaminohypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | Br | O | Thymine | H | H |
| CH ₃ | O-amino acid | Br | O | Uracil | H | H |
| CH ₃ | O-amino acid | Br | O | Guanine | H | H |
| CH ₃ | O-amino acid | Br | O | Cytosine | H | H |
| CH ₃ | O-amino acid | Br | O | Adenine | H | H |
| CH ₃ | O-amino acid | Br | O | Hypoxanthine | H | H |
| CH ₃ | O-amino acid | Br | O | 5-Fluorouracil | H | H |
| CH ₃ | O-amino acid | Br | O | 8-Fluoroguanine | H | H |
| CH ₃ | O-amino acid | Br | O | 5-Fluorocytosine | H | H |
| CH ₃ | O-amino acid | Br | O | 8-Fluoroadenine | H | H |
| CH ₃ | O-amino acid | Br | O | 2-Fluoroadenine | H | H |
| CH ₃ | O-amino acid | Br | O | 2,8-Difluoroadenine | H | H |
| CH ₃ | O-amino acid | Br | O | 2-Fluorohypoxanthine | H | H |
| CH ₃ | O-amino acid | Br | O | 8-Fluorohypoxanthine | H | H |
| CH ₃ | O-amino acid | Br | O | 2,8-Difluorohypoxanthine | H | H |
| CH ₃ | O-amino acid | Br | O | 2-Aminoadenine | H | H |
| CH ₃ | O-amino acid | Br | O | 2-Amino-8-fluoroadenine | H | H |
| CH ₃ | O-amino acid | Br | O | 2-Amino-8-fluorohypoxanthine | H | H |
| CH ₃ | O-amino acid | Br | O | 2-Aminohypoxanthine | H | H |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylguanine | H | H |
| CH ₃ | O-amino acid | Br | O | 4-N-acetylcytosine | H | H |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl adenine | H | H |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl-8-fluoroguanine | H | H |
| CH ₃ | O-amino acid | Br | O | 4-N-acetyl-5-fluorocytosine | H | H |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-fluoroadenine | H | H |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2,8-difluoroadenine | H | H |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-aminoadenine | H | H |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | H |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylaminoadenine | H | H |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl-amino-8-fluoroadenine | H | H |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl-amino-8-fluorohypoxanthine | H | H |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylaminohypoxanthine | H | H |
| CH ₃ | O-amino acid | Br | O | Thymine | H | O-amino acid |
| CH ₃ | O-amino acid | Br | O | Uracil | H | O-amino acid |
| CH ₃ | O-amino acid | Br | O | Guanine | H | O-amino acid |
| CH ₃ | O-amino acid | Br | O | Cytosine | H | O-amino acid |
| CH ₃ | O-amino acid | Br | O | Adenine | H | O-amino acid |
| CH ₃ | O-amino acid | Br | O | Hypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 5-Fluorouracil | H | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 8-Fluoroguanine | H | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 5-Fluorocytosine | H | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 8-Fluoroadenine | H | O-amino acid |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | Br | O | 2-Fluoroadenine | H | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2,8-Difluoroadenine | H | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2-Fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 8-Fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2,8-Difluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2-Aminoadenine | H | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2-Amino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2-Amino-8-fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2-Aminohypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylguanine | H | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 4-N-acetylcytosine | H | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyladenine | H | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl-8-fluoroguanine | H | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 4-N-acetyl-5-fluorocytosine | H | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-fluoroadenine | H | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2,8-difluoroadenine | H | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-aminoadenine | H | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylaminoadenine | H | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl-amino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl-amino-8-fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylaminohypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | Br | O | Thymine | H | O-acyl |
| CH ₃ | O-amino acid | Br | O | Uracil | H | O-acyl |
| CH ₃ | O-amino acid | Br | O | Guanine | H | O-acyl |
| CH ₃ | O-amino acid | Br | O | Cytosine | H | O-acyl |
| CH ₃ | O-amino acid | Br | O | Adenine | H | O-acyl |
| CH ₃ | O-amino acid | Br | O | Hypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | Br | O | 5-Fluorouracil | H | O-acyl |
| CH ₃ | O-amino acid | Br | O | 8-Fluoroguanine | H | O-acyl |
| CH ₃ | O-amino acid | Br | O | 5-Fluorocytosine | H | O-acyl |
| CH ₃ | O-amino acid | Br | O | 8-Fluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-Fluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2,8-Difluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-Fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | Br | O | 8-Fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2,8-Difluorohypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-Aminoadenine | H | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-Amino-8-fluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-Amino-8-fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-Aminohypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylguanine | H | O-acyl |
| CH ₃ | O-amino acid | Br | O | 4-N-acetylcytosine | H | O-acyl |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyladenine | H | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl-8-fluoroguanine | H | O-acyl |
| CH ₃ | O-amino acid | Br | O | 4-N-acetyl-5-fluorocytosine | H | O-acyl |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-fluoroadenine | H | O-acyl |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2,8-difluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-aminoadenine | H | O-acyl |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylaminoadenine | H | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl-amino-8-fluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl-amino-8-fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylaminohypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | Br | O | Thymine | H | OH |
| CH ₃ | O-amino acid | Br | O | Uracil | H | OH |
| CH ₃ | O-amino acid | Br | O | Guanine | H | OH |
| CH ₃ | O-amino acid | Br | O | Cytosine | H | OH |
| CH ₃ | O-amino acid | Br | O | Adenine | H | OH |
| CH ₃ | O-amino acid | Br | O | Hypoxanthine | H | OH |
| CH ₃ | O-amino acid | Br | O | 5-Fluorouracil | H | OH |
| CH ₃ | O-amino acid | Br | O | 8-Fluoroguanine | H | OH |
| CH ₃ | O-amino acid | Br | O | 5-Fluorocytosine | H | OH |
| CH ₃ | O-amino acid | Br | O | 8-Fluoroadenine | H | OH |
| CH ₃ | O-amino acid | Br | O | 2-Fluoroadenine | H | OH |
| CH ₃ | O-amino acid | Br | O | 2,8-Difluoroadenine | H | OH |
| CH ₃ | O-amino acid | Br | O | 2-Fluorohypoxanthine | H | OH |
| CH ₃ | O-amino acid | Br | O | 8-Fluorohypoxanthine | H | OH |
| CH ₃ | O-amino acid | Br | O | 2,8-Difluorohypoxanthine | H | OH |
| CH ₃ | O-amino acid | Br | O | 2-Aminoadenine | H | OH |
| CH ₃ | O-amino acid | Br | O | 2-Amino-8-fluoroadenine | H | OH |
| CH ₃ | O-amino acid | Br | O | 2-Amino-8-fluorohypoxanthine | H | OH |
| CH ₃ | O-amino acid | Br | O | 2-Aminohypoxanthine | H | OH |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylguanine | H | OH |
| CH ₃ | O-amino acid | Br | O | 4-N-acetylcytosine | H | OH |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-adenine | H | OH |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl-8-fluoroguanine | H | OH |
| CH ₃ | O-amino acid | Br | O | 4-N-acetyl-5-fluorocytosine | H | OH |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-fluoroadenine | H | OH |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2,8-difluoroadenine | H | OH |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-aminoadenine | H | OH |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | OH |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylaminoadenine | H | OH |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl-amino-8-fluoroadenine | H | OH |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl-amino-8-fluorohypoxanthine | H | OH |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylaminohypoxanthine | H | OH |
| CH ₃ | O-amino acid | Br | O | Thymine | OH | H |
| CH ₃ | O-amino acid | Br | O | Uracil | OH | H |
| CH ₃ | O-amino acid | Br | O | Guanine | OH | H |
| CH ₃ | O-amino acid | Br | O | Cytosine | OH | H |
| CH ₃ | O-amino acid | Br | O | Adenine | OH | H |
| CH ₃ | O-amino acid | Br | O | Hypoxanthine | OH | H |
| CH ₃ | O-amino acid | Br | O | 5-Fluorouracil | OH | H |
| CH ₃ | O-amino acid | Br | O | 8-Fluoroguanine | OH | H |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | Br | O | 5-Fluorocytosine | OH | H |
| CH ₃ | O-amino acid | Br | O | 8-Fluoroadenine | OH | H |
| CH ₃ | O-amino acid | Br | O | 2-Fluoroadenine | OH | H |
| CH ₃ | O-amino acid | Br | O | 2,8-Difluoroadenine | OH | H |
| CH ₃ | O-amino acid | Br | O | 2-Fluorohypoxanthine | OH | H |
| CH ₃ | O-amino acid | Br | O | 8-Fluorohypoxanthine | OH | H |
| CH ₃ | O-amino acid | Br | O | 2,8-Difluorohypoxanthine | OH | H |
| CH ₃ | O-amino acid | Br | O | 2-Aminoadenine | OH | H |
| CH ₃ | O-amino acid | Br | O | 2-Amino-8-fluoroadenine | OH | H |
| CH ₃ | O-amino acid | Br | O | 2-Amino-8-fluorohypoxanthine | OH | H |
| CH ₃ | O-amino acid | Br | O | 2-Aminohypoxanthine | OH | H |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylguanine | OH | H |
| CH ₃ | O-amino acid | Br | O | 4-N-acetylcytosine | OH | H |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyladenine | OH | H |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl-8-fluoroguanine | OH | H |
| CH ₃ | O-amino acid | Br | O | 4-N-acetyl-5-fluorocytosine | OH | H |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-fluoroadenine | OH | H |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2,8-difluoroadenine | OH | H |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-aminoadenine | OH | H |
| CH ₃ | O-amino acid | Br | O | 6-N-acetyl-2-amino-8-fluoroadenine | OH | H |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylaminoadenine | OH | H |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl-amino-8-fluoroadenine | OH | H |
| CH ₃ | O-amino acid | Br | O | 2-N-acetyl-amino-8-fluorohypoxanthine | OH | H |
| CH ₃ | O-amino acid | Br | O | 2-N-acetylaminohypoxanthine | OH | H |
| CH ₃ | O-amino acid | Cl | O | Thymine | F | H |
| CH ₃ | O-amino acid | Cl | O | Uracil | F | H |
| CH ₃ | O-amino acid | Cl | O | Guanine | F | H |
| CH ₃ | O-amino acid | Cl | O | Cytosine | F | H |
| CH ₃ | O-amino acid | Cl | O | Adenine | F | H |
| CH ₃ | O-amino acid | Cl | O | Hypoxanthine | F | H |
| CH ₃ | O-amino acid | Cl | O | 5-Fluorouracil | F | H |
| CH ₃ | O-amino acid | Cl | O | 8-Fluoroguanine | F | H |
| CH ₃ | O-amino acid | Cl | O | 5-Fluorocytosine | F | H |
| CH ₃ | O-amino acid | Cl | O | 8-Fluoroadenine | F | H |
| CH ₃ | O-amino acid | Cl | O | 2-Fluoroadenine | F | H |
| CH ₃ | O-amino acid | Cl | O | 2,8-Difluoroadenine | F | H |
| CH ₃ | O-amino acid | Cl | O | 2-Fluorohypoxanthine | F | H |
| CH ₃ | O-amino acid | Cl | O | 8-Fluorohypoxanthine | F | H |
| CH ₃ | O-amino acid | Cl | O | 2,8-Difluorohypoxanthine | F | H |
| CH ₃ | O-amino acid | Cl | O | 2-Aminoadenine | F | H |
| CH ₃ | O-amino acid | Cl | O | 2-Amino-8-fluoroadenine | F | H |
| CH ₃ | O-amino acid | Cl | O | 2-Amino-8-fluorohypoxanthine | F | H |
| CH ₃ | O-amino acid | Cl | O | 2-Aminohypoxanthine | F | H |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetylguanine | F | H |
| CH ₃ | O-amino acid | Cl | O | 4-N-acetylcytosine | F | H |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyladenine | F | H |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl-8-fluoroguanine | F | H |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | Cl | O | 4-N-acetyl-5-fluorocytosine | F | H |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-fluoroadenine | F | H |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2,8-difluoroadenine | F | H |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-aminoadenine | F | H |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | H |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetylaminoadenine | F | H |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl-amino-8-fluoroadenine | F | H |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl-amino-8-fluorohypoxanthine | F | H |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetylaminohypoxanthine | F | H |
| CH ₃ | O-amino acid | Cl | O | Thymine | F | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | Uracil | F | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | Guanine | F | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | Cytosine | F | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | Adenine | F | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | Hypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 5-Fluorouracil | F | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 8-Fluoroguanine | F | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 5-Fluorocytosine | F | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 8-Fluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-Fluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2,8-Difluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-Fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 8-Fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2,8-Difluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-Aminoadenine | F | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-Amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-Amino-8-fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-Aminohypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetylguanine | F | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 4-N-acetylcytosine | F | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-adenine | F | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl-8-fluoroguanine | F | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 4-N-acetyl-5-fluorocytosine | F | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-fluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2,8-difluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-aminoadenine | F | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetylaminoadenine | F | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl-amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl-amino-8-fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetylaminohypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | Thymine | F | O-acyl |
| CH ₃ | O-amino acid | Cl | O | Uracil | F | O-acyl |
| CH ₃ | O-amino acid | Cl | O | Guanine | F | O-acyl |
| CH ₃ | O-amino acid | Cl | O | Cytosine | F | O-acyl |
| CH ₃ | O-amino acid | Cl | O | Adenine | F | O-acyl |
| CH ₃ | O-amino acid | Cl | O | Hypoxanthine | F | O-acyl |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | Cl | O | 5-Fluorouracil | F | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 8-Fluoroguanine | F | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 5-Fluorocytosine | F | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 8-Fluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-Fluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2,8-Difluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-Fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 8-Fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2,8-Difluorohypoxanthine | F | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-Aminoadenine | F | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-Amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-Amino-8-fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-Aminohypoxanthine | F | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetylguanine | F | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 4-N-acetylcytosine | F | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl adenine | F | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl-8-fluoroguanine | F | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 4-N-acetyl-5-fluorocytosine | F | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-fluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2,8-difluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-aminoadenine | F | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetylaminoadenine | F | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl amino-8-fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetylaminohypoxanthine | F | O-acyl |
| CH ₃ | O-amino acid | Cl | O | Thymine | F | OH |
| CH ₃ | O-amino acid | Cl | O | Uracil | F | OH |
| CH ₃ | O-amino acid | Cl | O | Guanine | F | OH |
| CH ₃ | O-amino acid | Cl | O | Cytosine | F | OH |
| CH ₃ | O-amino acid | Cl | O | Adenine | F | OH |
| CH ₃ | O-amino acid | Cl | O | Hypoxanthine | F | OH |
| CH ₃ | O-amino acid | Cl | O | 5-Fluorouracil | F | OH |
| CH ₃ | O-amino acid | Cl | O | 8-Fluoroguanine | F | OH |
| CH ₃ | O-amino acid | Cl | O | 5-Fluorocytosine | F | OH |
| CH ₃ | O-amino acid | Cl | O | 8-Fluoroadenine | F | OH |
| CH ₃ | O-amino acid | Cl | O | 2-Fluoroadenine | F | OH |
| CH ₃ | O-amino acid | Cl | O | 2,8-Difluoroadenine | F | OH |
| CH ₃ | O-amino acid | Cl | O | 2-Fluorohypoxanthine | F | OH |
| CH ₃ | O-amino acid | Cl | O | 8-Fluorohypoxanthine | F | OH |
| CH ₃ | O-amino acid | Cl | O | 2,8-Difluorohypoxanthine | F | OH |
| CH ₃ | O-amino acid | Cl | O | 2-Aminoadenine | F | OH |
| CH ₃ | O-amino acid | Cl | O | 2-Amino-8-fluoroadenine | F | OH |
| CH ₃ | O-amino acid | Cl | O | 2-Amino-8-fluorohypoxanthine | F | OH |
| CH ₃ | O-amino acid | Cl | O | 2-Aminohypoxanthine | F | OH |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetylguanine | F | OH |
| CH ₃ | O-amino acid | Cl | O | 4-N-acetylcytosine | F | OH |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl adenine | F | OH |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl-8-fluoroguanine | F | OH |
| CH ₃ | O-amino acid | Cl | O | 4-N-acetyl-5-fluorocytosine | F | OH |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-fluoroadenine | F | OH |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2,8-difluoroadenine | F | OH |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-amino adenine | F | OH |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | OH |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl amino adenine | F | OH |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl amino-8-fluoroadenine | F | OH |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl amino-8-fluorohypoxanthine | F | OH |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl aminohypoxanthine | F | OH |
| CH ₃ | O-amino acid | Cl | O | Thymine | Br | H |
| CH ₃ | O-amino acid | Cl | O | Uracil | Br | H |
| CH ₃ | O-amino acid | Cl | O | Guanine | Br | H |
| CH ₃ | O-amino acid | Cl | O | Cytosine | Br | H |
| CH ₃ | O-amino acid | Cl | O | Adenine | Br | H |
| CH ₃ | O-amino acid | Cl | O | Hypoxanthine | Br | H |
| CH ₃ | O-amino acid | Cl | O | 5-Fluorouracil | Br | H |
| CH ₃ | O-amino acid | Cl | O | 8-Fluoroguanine | Br | H |
| CH ₃ | O-amino acid | Cl | O | 5-Fluorocytosine | Br | H |
| CH ₃ | O-amino acid | Cl | O | 8-Fluoroadenine | Br | H |
| CH ₃ | O-amino acid | Cl | O | 2-Fluoroadenine | Br | H |
| CH ₃ | O-amino acid | Cl | O | 2,8-Difluoroadenine | Br | H |
| CH ₃ | O-amino acid | Cl | O | 2-Fluorohypoxanthine | Br | H |
| CH ₃ | O-amino acid | Cl | O | 8-Fluorohypoxanthine | Br | H |
| CH ₃ | O-amino acid | Cl | O | 2,8-Difluorohypoxanthine | Br | H |
| CH ₃ | O-amino acid | Cl | O | 2-Amino adenine | Br | H |
| CH ₃ | O-amino acid | Cl | O | 2-Amino-8-fluoroadenine | Br | H |
| CH ₃ | O-amino acid | Cl | O | 2-Amino-8-fluorohypoxanthine | Br | H |
| CH ₃ | O-amino acid | Cl | O | 2-Aminohypoxanthine | Br | H |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl guanine | Br | H |
| CH ₃ | O-amino acid | Cl | O | 4-N-acetyl cytosine | Br | H |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl adenine | Br | H |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl-8-fluoroguanine | Br | H |
| CH ₃ | O-amino acid | Cl | O | 4-N-acetyl-5-fluorocytosine | Br | H |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-fluoroadenine | Br | H |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2,8-difluoroadenine | Br | H |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-amino adenine | Br | H |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | H |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl amino adenine | Br | H |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl amino-8-fluoroadenine | Br | H |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl amino-8-fluorohypoxanthine | Br | H |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl aminohypoxanthine | Br | H |
| CH ₃ | O-amino acid | Cl | O | Thymine | Br | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | Uracil | Br | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | Guanine | Br | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | Cytosine | Br | O-amino acid |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | Cl | O | Adenine | Br | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | Hypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 5-Fluorouracil | Br | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 8-Fluoroguanine | Br | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 5-Fluorocytosine | Br | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 8-Fluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-Fluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2,8-Difluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-Fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 8-Fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2,8-Difluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-Aminoadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-Amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-Amino-8-fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-Aminohypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetylguanine | Br | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 4-N-acetylcytosine | Br | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl原因 | Br | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl-8-fluoroguanine | Br | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 4-N-acetyl-5-fluorocytosine | Br | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2,8-difluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-aminoadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetylaminoadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl-amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetylaminohypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | Thymine | Br | O-acyl |
| CH ₃ | O-amino acid | Cl | O | Uracil | Br | O-acyl |
| CH ₃ | O-amino acid | Cl | O | Guanine | Br | O-acyl |
| CH ₃ | O-amino acid | Cl | O | Cytosine | Br | O-acyl |
| CH ₃ | O-amino acid | Cl | O | Adenine | Br | O-acyl |
| CH ₃ | O-amino acid | Cl | O | Hypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 5-Fluorouracil | Br | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 8-Fluoroguanine | Br | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 5-Fluorocytosine | Br | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 8-Fluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-Fluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2,8-Difluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-Fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 8-Fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2,8-Difluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-Aminoadenine | Br | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-Amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-Amino-8-fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-Aminohypoxanthine | Br | O-acyl |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | Cl | O | 2-N-acetylguanine | Br | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 4-N-acetylcytosine | Br | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl原因 | Br | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl-8-fluoroguanine | Br | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 4-N-acetyl-5-fluorocytosine | Br | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-fluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2,8-difluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-aminoadenine | Br | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetylaminoadenine | Br | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl-amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetylaminohypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | Cl | O | Thymine | Br | OH |
| CH ₃ | O-amino acid | Cl | O | Uracil | Br | OH |
| CH ₃ | O-amino acid | Cl | O | Guanine | Br | OH |
| CH ₃ | O-amino acid | Cl | O | Cytosine | Br | OH |
| CH ₃ | O-amino acid | Cl | O | Adenine | Br | OH |
| CH ₃ | O-amino acid | Cl | O | Hypoxanthine | Br | OH |
| CH ₃ | O-amino acid | Cl | O | 5-Fluorouracil | Br | OH |
| CH ₃ | O-amino acid | Cl | O | 8-Fluoroguanine | Br | OH |
| CH ₃ | O-amino acid | Cl | O | 5-Fluorocytosine | Br | OH |
| CH ₃ | O-amino acid | Cl | O | 8-Fluoroadenine | Br | OH |
| CH ₃ | O-amino acid | Cl | O | 2-Fluoroadenine | Br | OH |
| CH ₃ | O-amino acid | Cl | O | 2,8-Difluoroadenine | Br | OH |
| CH ₃ | O-amino acid | Cl | O | 2-Fluorohypoxanthine | Br | OH |
| CH ₃ | O-amino acid | Cl | O | 8-Fluorohypoxanthine | Br | OH |
| CH ₃ | O-amino acid | Cl | O | 2,8-Difluorohypoxanthine | Br | OH |
| CH ₃ | O-amino acid | Cl | O | 2-Aminoadenine | Br | OH |
| CH ₃ | O-amino acid | Cl | O | 2-Amino-8-fluoroadenine | Br | OH |
| CH ₃ | O-amino acid | Cl | O | 2-Amino-8-fluorohypoxanthine | Br | OH |
| CH ₃ | O-amino acid | Cl | O | 2-Aminohypoxanthine | Br | OH |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetylguanine | Br | OH |
| CH ₃ | O-amino acid | Cl | O | 4-N-acetylcytosine | Br | OH |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl原因 | Br | OH |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl-8-fluoroguanine | Br | OH |
| CH ₃ | O-amino acid | Cl | O | 4-N-acetyl-5-fluorocytosine | Br | OH |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-fluoroadenine | Br | OH |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2,8-difluoroadenine | Br | OH |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-aminoadenine | Br | OH |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | OH |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetylaminoadenine | Br | OH |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl-amino-8-fluoroadenine | Br | OH |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Br | OH |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetylaminohypoxanthine | Br | OH |
| CH ₃ | O-amino acid | Cl | O | Thymine | Cl | H |
| CH ₃ | O-amino acid | Cl | O | Uracil | Cl | H |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | Cl | O | Guanine | Cl | H |
| CH ₃ | O-amino acid | Cl | O | Cytosine | Cl | H |
| CH ₃ | O-amino acid | Cl | O | Adenine | Cl | H |
| CH ₃ | O-amino acid | Cl | O | Hypoxanthine | Cl | H |
| CH ₃ | O-amino acid | Cl | O | 5-Fluorouracil | Cl | H |
| CH ₃ | O-amino acid | Cl | O | 8-Fluoroguanine | Cl | H |
| CH ₃ | O-amino acid | Cl | O | 5-Fluorocytosine | Cl | H |
| CH ₃ | O-amino acid | Cl | O | 8-Fluoroadenine | Cl | H |
| CH ₃ | O-amino acid | Cl | O | 2-Fluoroadenine | Cl | H |
| CH ₃ | O-amino acid | Cl | O | 2,8-Difluoroadenine | Cl | H |
| CH ₃ | O-amino acid | Cl | O | 2-Fluorohypoxanthine | Cl | H |
| CH ₃ | O-amino acid | Cl | O | 8-Fluorohypoxanthine | Cl | H |
| CH ₃ | O-amino acid | Cl | O | 2,8-Difluorohypoxanthine | Cl | H |
| CH ₃ | O-amino acid | Cl | O | 2-Aminoadenine | Cl | H |
| CH ₃ | O-amino acid | Cl | O | 2-Amino-8-fluoroadenine | Cl | H |
| CH ₃ | O-amino acid | Cl | O | 2-Amino-8-fluorohypoxanthine | Cl | H |
| CH ₃ | O-amino acid | Cl | O | 2-Aminohypoxanthine | Cl | H |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetylguanine | Cl | H |
| CH ₃ | O-amino acid | Cl | O | 4-N-acetylcytosine | Cl | H |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl原因 | Cl | H |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl-8-fluoroguanine | Cl | H |
| CH ₃ | O-amino acid | Cl | O | 4-N-acetyl-5-fluorocytosine | Cl | H |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-fluoroadenine | Cl | H |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2,8-difluoroadenine | Cl | H |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-aminoadenine | Cl | H |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | H |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetylaminoadenine | Cl | H |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl-amino-8-fluoroadenine | Cl | H |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Cl | H |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetylaminohypoxanthine | Cl | H |
| CH ₃ | O-amino acid | Cl | O | Thymine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | Uracil | Cl | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | Guanine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | Cytosine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | Adenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | Hypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 5-Fluorouracil | Cl | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 8-Fluoroguanine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 5-Fluorocytosine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 8-Fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-Fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2,8-Difluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-Fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 8-Fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2,8-Difluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-Aminoadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-Amino-8-fluoroadenine | Cl | O-amino acid |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | Cl | O | 2-Amino-8-fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-Aminohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetylguanine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 4-N-acetylcytosine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl原因 | Cl | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl-8-fluoroguanine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 4-N-acetyl-5-fluorocytosine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2,8-difluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-aminoadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl原因 | Cl | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl原因-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl原因-8-fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl原因hypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | Thymine | Cl | O-acyl |
| CH ₃ | O-amino acid | Cl | O | Uracil | Cl | O-acyl |
| CH ₃ | O-amino acid | Cl | O | Guanine | Cl | O-acyl |
| CH ₃ | O-amino acid | Cl | O | Cytosine | Cl | O-acyl |
| CH ₃ | O-amino acid | Cl | O | Adenine | Cl | O-acyl |
| CH ₃ | O-amino acid | Cl | O | Hypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 5-Fluorouracil | Cl | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 8-Fluoroguanine | Cl | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 5-Fluorocytosine | Cl | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 8-Fluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-Fluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2,8-Difluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-Fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 8-Fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2,8-Difluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-Aminoadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-Amino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-Amino-8-fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-Aminohypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetylguanine | Cl | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 4-N-acetylcytosine | Cl | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl原因 | Cl | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl-8-fluoroguanine | Cl | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 4-N-acetyl-5-fluorocytosine | Cl | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2,8-difluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-aminoadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl原因 | Cl | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl原因-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl原因-8-fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl原因hypoxanthine | Cl | O-acyl |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | Cl | O | Thymine | Cl | OH |
| CH ₃ | O-amino acid | Cl | O | Uracil | Cl | OH |
| CH ₃ | O-amino acid | Cl | O | Guanine | Cl | OH |
| CH ₃ | O-amino acid | Cl | O | Cytosine | Cl | OH |
| CH ₃ | O-amino acid | Cl | O | Adenine | Cl | OH |
| CH ₃ | O-amino acid | Cl | O | Hypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | Cl | O | 5-Fluorouracil | Cl | OH |
| CH ₃ | O-amino acid | Cl | O | 8-Fluoroguanine | Cl | OH |
| CH ₃ | O-amino acid | Cl | O | 5-Fluorocytosine | Cl | OH |
| CH ₃ | O-amino acid | Cl | O | 8-Fluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | Cl | O | 2-Fluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | Cl | O | 2,8-Difluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | Cl | O | 2-Fluorohypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | Cl | O | 8-Fluorohypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | Cl | O | 2,8-Difluorohypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | Cl | O | 2-Aminoadenine | Cl | OH |
| CH ₃ | O-amino acid | Cl | O | 2-Amino-8-fluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | Cl | O | 2-Amino-8-fluorohypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | Cl | O | 2-Aminohypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetylguanine | Cl | OH |
| CH ₃ | O-amino acid | Cl | O | 4-N-acetylcytosine | Cl | OH |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl原因 | Cl | OH |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl-8-fluoroguanine | Cl | OH |
| CH ₃ | O-amino acid | Cl | O | 4-N-acetyl-5-fluorocytosine | Cl | OH |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-fluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2,8-difluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-aminoadenine | Cl | OH |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetylaminoadenine | Cl | OH |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl-amino-8-fluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetylaminohypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | Cl | O | Thymine | H | H |
| CH ₃ | O-amino acid | Cl | O | Uracil | H | H |
| CH ₃ | O-amino acid | Cl | O | Guanine | H | H |
| CH ₃ | O-amino acid | Cl | O | Cytosine | H | H |
| CH ₃ | O-amino acid | Cl | O | Adenine | H | H |
| CH ₃ | O-amino acid | Cl | O | Hypoxanthine | H | H |
| CH ₃ | O-amino acid | Cl | O | 5-Fluorouracil | H | H |
| CH ₃ | O-amino acid | Cl | O | 8-Fluoroguanine | H | H |
| CH ₃ | O-amino acid | Cl | O | 5-Fluorocytosine | H | H |
| CH ₃ | O-amino acid | Cl | O | 8-Fluoroadenine | H | H |
| CH ₃ | O-amino acid | Cl | O | 2-Fluoroadenine | H | H |
| CH ₃ | O-amino acid | Cl | O | 2,8-Difluoroadenine | H | H |
| CH ₃ | O-amino acid | Cl | O | 2-Fluorohypoxanthine | H | H |
| CH ₃ | O-amino acid | Cl | O | 8-Fluorohypoxanthine | H | H |
| CH ₃ | O-amino acid | Cl | O | 2,8-Difluorohypoxanthine | H | H |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|--------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | Cl | O | 2-Aminoadenine | H | H |
| CH ₃ | O-amino acid | Cl | O | 2-Amino-8-fluoroadenine | H | H |
| CH ₃ | O-amino acid | Cl | O | 2-Amino-8-fluorohypoxanthine | H | H |
| CH ₃ | O-amino acid | Cl | O | 2-Aminohypoxanthine | H | H |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetylguanine | H | H |
| CH ₃ | O-amino acid | Cl | O | 4-N-acetylcytosine | H | H |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyladenine | H | H |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl-8-fluoroguanine | H | H |
| CH ₃ | O-amino acid | Cl | O | 4-N-acetyl-5-fluorocytosine | H | H |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-fluoroadenine | H | H |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2,8-difluoroadenine | H | H |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-aminoadenine | H | H |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | H |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetylaminoadenine | H | H |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetylamino-8-fluoroadenine | H | H |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetylamino-8-fluorohypoxanthine | H | H |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetylaminohypoxanthine | H | H |
| CH ₃ | O-amino acid | Cl | O | Thymine | H | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | Uracil | H | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | Guanine | H | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | Cytosine | H | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | Adenine | H | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | Hypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 5-Fluorouracil | H | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 8-Fluoroguanine | H | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 5-Fluorocytosine | H | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 8-Fluoroadenine | H | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-Fluoroadenine | H | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2,8-Difluoroadenine | H | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-Fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 8-Fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2,8-Difluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-Aminoadenine | H | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-Amino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-Amino-8-fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-Aminohypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetylguanine | H | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 4-N-acetylcytosine | H | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyladenine | H | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl-8-fluoroguanine | H | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 4-N-acetyl-5-fluorocytosine | H | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-fluoroadenine | H | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2,8-difluoroadenine | H | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-aminoadenine | H | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetylaminoadenine | H | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetylamino-8-fluoroadenine | H | O-amino acid |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl-amino-8-fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetylaminohypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | Cl | O | Thymine | H | O-acyl |
| CH ₃ | O-amino acid | Cl | O | Uracil | H | O-acyl |
| CH ₃ | O-amino acid | Cl | O | Guanine | H | O-acyl |
| CH ₃ | O-amino acid | Cl | O | Cytosine | H | O-acyl |
| CH ₃ | O-amino acid | Cl | O | Adenine | H | O-acyl |
| CH ₃ | O-amino acid | Cl | O | Hypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 5-Fluorouracil | H | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 8-Fluoroguanine | H | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 5-Fluorocytosine | H | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 8-Fluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-Fluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2,8-Difluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-Fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 8-Fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2,8-Difluorohypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-Aminoadenine | H | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-Amino-8-fluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-Amino-8-fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-Aminohypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl-guanine | H | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 4-N-acetylcytosine | H | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-adenine | H | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl-8-fluoroguanine | H | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 4-N-acetyl-5-fluorocytosine | H | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-fluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2,8-difluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-aminoadenine | H | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetylaminoadenine | H | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl-amino-8-fluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl-amino-8-fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetylaminohypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | Cl | O | Thymine | H | OH |
| CH ₃ | O-amino acid | Cl | O | Uracil | H | OH |
| CH ₃ | O-amino acid | Cl | O | Guanine | H | OH |
| CH ₃ | O-amino acid | Cl | O | Cytosine | H | OH |
| CH ₃ | O-amino acid | Cl | O | Adenine | H | OH |
| CH ₃ | O-amino acid | Cl | O | Hypoxanthine | H | OH |
| CH ₃ | O-amino acid | Cl | O | 5-Fluorouracil | H | OH |
| CH ₃ | O-amino acid | Cl | O | 8-Fluoroguanine | H | OH |
| CH ₃ | O-amino acid | Cl | O | 5-Fluorocytosine | H | OH |
| CH ₃ | O-amino acid | Cl | O | 8-Fluoroadenine | H | OH |
| CH ₃ | O-amino acid | Cl | O | 2-Fluoroadenine | H | OH |
| CH ₃ | O-amino acid | Cl | O | 2,8-Difluoroadenine | H | OH |
| CH ₃ | O-amino acid | Cl | O | 2-Fluorohypoxanthine | H | OH |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | Cl | O | 8-Fluorohypoxanthine | H | OH |
| CH ₃ | O-amino acid | Cl | O | 2,8-Difluorohypoxanthine | H | OH |
| CH ₃ | O-amino acid | Cl | O | 2-Aminoadenine | H | OH |
| CH ₃ | O-amino acid | Cl | O | 2-Amino-8-fluoroadenine | H | OH |
| CH ₃ | O-amino acid | Cl | O | 2-Amino-8-fluorohypoxanthine | H | OH |
| CH ₃ | O-amino acid | Cl | O | 2-Aminohypoxanthine | H | OH |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetylguanine | H | OH |
| CH ₃ | O-amino acid | Cl | O | 4-N-acetylcytosine | H | OH |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl原因 | H | OH |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl-8-fluoroguanine | H | OH |
| CH ₃ | O-amino acid | Cl | O | 4-N-acetyl-5-fluorocytosine | H | OH |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-fluoroadenine | H | OH |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2,8-difluoroadenine | H | OH |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-aminoadenine | H | OH |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | OH |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl原因 | H | OH |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl原因-8-fluoroadenine | H | OH |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl原因-8-fluorohypoxanthine | H | OH |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl原因hypoxanthine | H | OH |
| CH ₃ | O-amino acid | Cl | O | Thymine | OH | H |
| CH ₃ | O-amino acid | Cl | O | Uracil | OH | H |
| CH ₃ | O-amino acid | Cl | O | Guanine | OH | H |
| CH ₃ | O-amino acid | Cl | O | Cytosine | OH | H |
| CH ₃ | O-amino acid | Cl | O | Adenine | OH | H |
| CH ₃ | O-amino acid | Cl | O | Hypoxanthine | OH | H |
| CH ₃ | O-amino acid | Cl | O | 5-Fluorouracil | OH | H |
| CH ₃ | O-amino acid | Cl | O | 8-Fluoroguanine | OH | H |
| CH ₃ | O-amino acid | Cl | O | 5-Fluorocytosine | OH | H |
| CH ₃ | O-amino acid | Cl | O | 8-Fluoroadenine | OH | H |
| CH ₃ | O-amino acid | Cl | O | 2-Fluoroadenine | OH | H |
| CH ₃ | O-amino acid | Cl | O | 2,8-Difluoroadenine | OH | H |
| CH ₃ | O-amino acid | Cl | O | 2-Fluorohypoxanthine | OH | H |
| CH ₃ | O-amino acid | Cl | O | 8-Fluorohypoxanthine | OH | H |
| CH ₃ | O-amino acid | Cl | O | 2,8-Difluorohypoxanthine | OH | H |
| CH ₃ | O-amino acid | Cl | O | 2-Aminoadenine | OH | H |
| CH ₃ | O-amino acid | Cl | O | 2-Amino-8-fluoroadenine | OH | H |
| CH ₃ | O-amino acid | Cl | O | 2-Amino-8-fluorohypoxanthine | OH | H |
| CH ₃ | O-amino acid | Cl | O | 2-Aminohypoxanthine | OH | H |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl原因 | OH | H |
| CH ₃ | O-amino acid | Cl | O | 4-N-acetylcytosine | OH | H |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl原因 | OH | H |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl-8-fluoroguanine | OH | H |
| CH ₃ | O-amino acid | Cl | O | 4-N-acetyl-5-fluorocytosine | OH | H |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-fluoroadenine | OH | H |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2,8-difluoroadenine | OH | H |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-aminoadenine | OH | H |
| CH ₃ | O-amino acid | Cl | O | 6-N-acetyl-2-amino-8-fluoroadenine | OH | H |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | Cl | O | 2-N-acetylaminoadenine | OH | H |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl-amino-8-fluoroadenine | OH | H |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetyl-amino-8-fluorohypoxanthine | OH | H |
| CH ₃ | O-amino acid | Cl | O | 2-N-acetylaminohypoxanthine | OH | H |
| CH ₃ | O-amino acid | H | O | Thymine | F | H |
| CH ₃ | O-amino acid | H | O | Uracil | F | H |
| CH ₃ | O-amino acid | H | O | Guanine | F | H |
| CH ₃ | O-amino acid | H | O | Cytosine | F | H |
| CH ₃ | O-amino acid | H | O | Adenine | F | H |
| CH ₃ | O-amino acid | H | O | Hypoxanthine | F | H |
| CH ₃ | O-amino acid | H | O | 5-Fluorouracil | F | H |
| CH ₃ | O-amino acid | H | O | 8-Fluoroguanine | F | H |
| CH ₃ | O-amino acid | H | O | 5-Fluorocytosine | F | H |
| CH ₃ | O-amino acid | H | O | 8-Fluoroadenine | F | H |
| CH ₃ | O-amino acid | H | O | 2-Fluoroadenine | F | H |
| CH ₃ | O-amino acid | H | O | 2,8-Difluoroadenine | F | H |
| CH ₃ | O-amino acid | H | O | 2-Fluorohypoxanthine | F | H |
| CH ₃ | O-amino acid | H | O | 8-Fluorohypoxanthine | F | H |
| CH ₃ | O-amino acid | H | O | 2,8-Difluorohypoxanthine | F | H |
| CH ₃ | O-amino acid | H | O | 2-Aminoadenine | F | H |
| CH ₃ | O-amino acid | H | O | 2-Amino-8-fluoroadenine | F | H |
| CH ₃ | O-amino acid | H | O | 2-Amino-8-fluorohypoxanthine | F | H |
| CH ₃ | O-amino acid | H | O | 2-Aminohypoxanthine | F | H |
| CH ₃ | O-amino acid | H | O | 2-N-acetylguanine | F | H |
| CH ₃ | O-amino acid | H | O | 4-N-acetylcytosine | F | H |
| CH ₃ | O-amino acid | H | O | 6-N-acetyladenine | F | H |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl-8-fluoroguanine | F | H |
| CH ₃ | O-amino acid | H | O | 4-N-acetyl-5-fluorocytosine | F | H |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-fluoroadenine | F | H |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2,8-difluoroadenine | F | H |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-aminoadenine | F | H |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | H |
| CH ₃ | O-amino acid | H | O | 2-N-acetylaminoadenine | F | H |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl-amino-8-fluoroadenine | F | H |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl-amino-8-fluorohypoxanthine | F | H |
| CH ₃ | O-amino acid | H | O | 2-N-acetylaminohypoxanthine | F | H |
| CH ₃ | O-amino acid | H | O | Thymine | F | O-amino acid |
| CH ₃ | O-amino acid | H | O | Uracil | F | O-amino acid |
| CH ₃ | O-amino acid | H | O | Guanine | F | O-amino acid |
| CH ₃ | O-amino acid | H | O | Cytosine | F | O-amino acid |
| CH ₃ | O-amino acid | H | O | Adenine | F | O-amino acid |
| CH ₃ | O-amino acid | H | O | Hypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | H | O | 5-Fluorouracil | F | O-amino acid |
| CH ₃ | O-amino acid | H | O | 8-Fluoroguanine | F | O-amino acid |
| CH ₃ | O-amino acid | H | O | 5-Fluorocytosine | F | O-amino acid |
| CH ₃ | O-amino acid | H | O | 8-Fluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-Fluoroadenine | F | O-amino acid |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | H | O | 2,8-Difluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-Fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | H | O | 8-Fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2,8-Difluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-Aminoadenine | F | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-Amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-Amino-8-fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-Aminohypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-N-acetylguanine | F | O-amino acid |
| CH ₃ | O-amino acid | H | O | 4-N-acetylcytosine | F | O-amino acid |
| CH ₃ | O-amino acid | H | O | 6-N-acetyladenine | F | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl-8-fluoroguanine | F | O-amino acid |
| CH ₃ | O-amino acid | H | O | 4-N-acetyl-5-fluorocytosine | F | O-amino acid |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-fluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2,8-difluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-aminoadenine | F | O-amino acid |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-N-acetylaminoadenine | F | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl-amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl-amino-8-fluorohypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-N-acetylaminohypoxanthine | F | O-amino acid |
| CH ₃ | O-amino acid | H | O | Thymine | F | O-acyl |
| CH ₃ | O-amino acid | H | O | Uracil | F | O-acyl |
| CH ₃ | O-amino acid | H | O | Guanine | F | O-acyl |
| CH ₃ | O-amino acid | H | O | Cytosine | F | O-acyl |
| CH ₃ | O-amino acid | H | O | Adenine | F | O-acyl |
| CH ₃ | O-amino acid | H | O | Hypoxanthine | F | O-acyl |
| CH ₃ | O-amino acid | H | O | 5-Fluorouracil | F | O-acyl |
| CH ₃ | O-amino acid | H | O | 8-Fluoroguanine | F | O-acyl |
| CH ₃ | O-amino acid | H | O | 5-Fluorocytosine | F | O-acyl |
| CH ₃ | O-amino acid | H | O | 8-Fluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-Fluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | H | O | 2,8-Difluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-Fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-amino acid | H | O | 8-Fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-amino acid | H | O | 2,8-Difluorohypoxanthine | F | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-Aminoadenine | F | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-Amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-Amino-8-fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-Aminohypoxanthine | F | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-N-acetylguanine | F | O-acyl |
| CH ₃ | O-amino acid | H | O | 4-N-acetylcytosine | F | O-acyl |
| CH ₃ | O-amino acid | H | O | 6-N-acetyladenine | F | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl-8-fluoroguanine | F | O-acyl |
| CH ₃ | O-amino acid | H | O | 4-N-acetyl-5-fluorocytosine | F | O-acyl |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-fluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2,8-difluoroadenine | F | O-acyl |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-aminoadenine | F | O-acyl |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-N-acetylaminoadenine | F | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl-amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl-amino-8-fluorohypoxanthine | F | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-N-acetylaminohypoxanthine | F | O-acyl |
| CH ₃ | O-amino acid | H | O | Thymine | F | OH |
| CH ₃ | O-amino acid | H | O | Uracil | F | OH |
| CH ₃ | O-amino acid | H | O | Guanine | F | OH |
| CH ₃ | O-amino acid | H | O | Cytosine | F | OH |
| CH ₃ | O-amino acid | H | O | Adenine | F | OH |
| CH ₃ | O-amino acid | H | O | Hypoxanthine | F | OH |
| CH ₃ | O-amino acid | H | O | 5-Fluorouracil | F | OH |
| CH ₃ | O-amino acid | H | O | 8-Fluoroguanine | F | OH |
| CH ₃ | O-amino acid | H | O | 5-Fluorocytosine | F | OH |
| CH ₃ | O-amino acid | H | O | 8-Fluoroadenine | F | OH |
| CH ₃ | O-amino acid | H | O | 2-Fluoroadenine | F | OH |
| CH ₃ | O-amino acid | H | O | 2,8-Difluoroadenine | F | OH |
| CH ₃ | O-amino acid | H | O | 2-Fluorohypoxanthine | F | OH |
| CH ₃ | O-amino acid | H | O | 8-Fluorohypoxanthine | F | OH |
| CH ₃ | O-amino acid | H | O | 2,8-Difluorohypoxanthine | F | OH |
| CH ₃ | O-amino acid | H | O | 2-Aminoadenine | F | OH |
| CH ₃ | O-amino acid | H | O | 2-Amino-8-fluoroadenine | F | OH |
| CH ₃ | O-amino acid | H | O | 2-Amino-8-fluorohypoxanthine | F | OH |
| CH ₃ | O-amino acid | H | O | 2-Aminohypoxanthine | F | OH |
| CH ₃ | O-amino acid | H | O | 2-N-acetylguanine | F | OH |
| CH ₃ | O-amino acid | H | O | 4-N-acetylcytosine | F | OH |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl adenine | F | OH |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl-8-fluoroguanine | F | OH |
| CH ₃ | O-amino acid | H | O | 4-N-acetyl-5-fluorocytosine | F | OH |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-fluoroadenine | F | OH |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2,8-difluoroadenine | F | OH |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-aminoadenine | F | OH |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | OH |
| CH ₃ | O-amino acid | H | O | 2-N-acetylaminoadenine | F | OH |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl-amino-8-fluoroadenine | F | OH |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl-amino-8-fluorohypoxanthine | F | OH |
| CH ₃ | O-amino acid | H | O | 2-N-acetylaminohypoxanthine | F | OH |
| CH ₃ | O-amino acid | H | O | Thymine | Br | H |
| CH ₃ | O-amino acid | H | O | Uracil | Br | H |
| CH ₃ | O-amino acid | H | O | Guanine | Br | H |
| CH ₃ | O-amino acid | H | O | Cytosine | Br | H |
| CH ₃ | O-amino acid | H | O | Adenine | Br | H |
| CH ₃ | O-amino acid | H | O | Hypoxanthine | Br | H |
| CH ₃ | O-amino acid | H | O | 5-Fluorouracil | Br | H |
| CH ₃ | O-amino acid | H | O | 8-Fluoroguanine | Br | H |
| CH ₃ | O-amino acid | H | O | 5-Fluorocytosine | Br | H |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | H | O | 8-Fluoroadenine | Br | H |
| CH ₃ | O-amino acid | H | O | 2-Fluoroadenine | Br | H |
| CH ₃ | O-amino acid | H | O | 2,8-Difluoroadenine | Br | H |
| CH ₃ | O-amino acid | H | O | 2-Fluorohypoxanthine | Br | H |
| CH ₃ | O-amino acid | H | O | 8-Fluorohypoxanthine | Br | H |
| CH ₃ | O-amino acid | H | O | 2,8-Difluorohypoxanthine | Br | H |
| CH ₃ | O-amino acid | H | O | 2-Aminoadenine | Br | H |
| CH ₃ | O-amino acid | H | O | 2-Amino-8-fluoroadenine | Br | H |
| CH ₃ | O-amino acid | H | O | 2-Amino-8-fluorohypoxanthine | Br | H |
| CH ₃ | O-amino acid | H | O | 2-Aminohypoxanthine | Br | H |
| CH ₃ | O-amino acid | H | O | 2-N-acetylguanine | Br | H |
| CH ₃ | O-amino acid | H | O | 4-N-acetylcytosine | Br | H |
| CH ₃ | O-amino acid | H | O | 6-N-acetyladenine | Br | H |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl-8-fluoroguanine | Br | H |
| CH ₃ | O-amino acid | H | O | 4-N-acetyl-5-fluorocytosine | Br | H |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-fluoroadenine | Br | H |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2,8-difluoroadenine | Br | H |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-aminoadenine | Br | H |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | H |
| CH ₃ | O-amino acid | H | O | 2-N-acetylaminoadenine | Br | H |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl-amino-8-fluoroadenine | Br | H |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Br | H |
| CH ₃ | O-amino acid | H | O | 2-N-acetylaminohypoxanthine | Br | H |
| CH ₃ | O-amino acid | H | O | Thymine | Br | O-amino acid |
| CH ₃ | O-amino acid | H | O | Uracil | Br | O-amino acid |
| CH ₃ | O-amino acid | H | O | Guanine | Br | O-amino acid |
| CH ₃ | O-amino acid | H | O | Cytosine | Br | O-amino acid |
| CH ₃ | O-amino acid | H | O | Adenine | Br | O-amino acid |
| CH ₃ | O-amino acid | H | O | Hypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | H | O | 5-Fluorouracil | Br | O-amino acid |
| CH ₃ | O-amino acid | H | O | 8-Fluoroguanine | Br | O-amino acid |
| CH ₃ | O-amino acid | H | O | 5-Fluorocytosine | Br | O-amino acid |
| CH ₃ | O-amino acid | H | O | 8-Fluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-Fluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2,8-Difluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-Fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | H | O | 8-Fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2,8-Difluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-Aminoadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-Amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-Amino-8-fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-Aminohypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-N-acetylguanine | Br | O-amino acid |
| CH ₃ | O-amino acid | H | O | 4-N-acetylcytosine | Br | O-amino acid |
| CH ₃ | O-amino acid | H | O | 6-N-acetyladenine | Br | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl-8-fluoroguanine | Br | O-amino acid |
| CH ₃ | O-amino acid | H | O | 4-N-acetyl-5-fluorocytosine | Br | O-amino acid |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2,8-difluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-aminoadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-N-acetylaminoadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl-amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-N-acetylaminohypoxanthine | Br | O-amino acid |
| CH ₃ | O-amino acid | H | O | Thymine | Br | O-acyl |
| CH ₃ | O-amino acid | H | O | Uracil | Br | O-acyl |
| CH ₃ | O-amino acid | H | O | Guanine | Br | O-acyl |
| CH ₃ | O-amino acid | H | O | Cytosine | Br | O-acyl |
| CH ₃ | O-amino acid | H | O | Adenine | Br | O-acyl |
| CH ₃ | O-amino acid | H | O | Hypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | H | O | 5-Fluorouracil | Br | O-acyl |
| CH ₃ | O-amino acid | H | O | 8-Fluoroguanine | Br | O-acyl |
| CH ₃ | O-amino acid | H | O | 5-Fluorocytosine | Br | O-acyl |
| CH ₃ | O-amino acid | H | O | 8-Fluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-Fluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | H | O | 2,8-Difluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-Fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | H | O | 8-Fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | H | O | 2,8-Difluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-Aminoadenine | Br | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-Amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-Amino-8-fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-Aminohypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-N-acetylguanine | Br | O-acyl |
| CH ₃ | O-amino acid | H | O | 4-N-acetylcytosine | Br | O-acyl |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-adenine | Br | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl-8-fluoroguanine | Br | O-acyl |
| CH ₃ | O-amino acid | H | O | 4-N-acetyl-5-fluorocytosine | Br | O-acyl |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-fluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2,8-difluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-aminoadenine | Br | O-acyl |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-N-acetylaminoadenine | Br | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl-amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-N-acetylaminohypoxanthine | Br | O-acyl |
| CH ₃ | O-amino acid | H | O | Thymine | Br | OH |
| CH ₃ | O-amino acid | H | O | Uracil | Br | OH |
| CH ₃ | O-amino acid | H | O | Guanine | Br | OH |
| CH ₃ | O-amino acid | H | O | Cytosine | Br | OH |
| CH ₃ | O-amino acid | H | O | Adenine | Br | OH |
| CH ₃ | O-amino acid | H | O | Hypoxanthine | Br | OH |
| CH ₃ | O-amino acid | H | O | 5-Fluorouracil | Br | OH |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | H | O | 8-Fluoroguanine | Br | OH |
| CH ₃ | O-amino acid | H | O | 5-Fluorocytosine | Br | OH |
| CH ₃ | O-amino acid | H | O | 8-Fluoroadenine | Br | OH |
| CH ₃ | O-amino acid | H | O | 2-Fluoroadenine | Br | OH |
| CH ₃ | O-amino acid | H | O | 2,8-Difluoroadenine | Br | OH |
| CH ₃ | O-amino acid | H | O | 2-Fluorohypoxanthine | Br | OH |
| CH ₃ | O-amino acid | H | O | 8-Fluorohypoxanthine | Br | OH |
| CH ₃ | O-amino acid | H | O | 2,8-Difluorohypoxanthine | Br | OH |
| CH ₃ | O-amino acid | H | O | 2-Aminoadenine | Br | OH |
| CH ₃ | O-amino acid | H | O | 2-Amino-8-fluoroadenine | Br | OH |
| CH ₃ | O-amino acid | H | O | 2-Amino-8-fluorohypoxanthine | Br | OH |
| CH ₃ | O-amino acid | H | O | 2-Aminohypoxanthine | Br | OH |
| CH ₃ | O-amino acid | H | O | 2-N-acetylguanine | Br | OH |
| CH ₃ | O-amino acid | H | O | 4-N-acetylcytosine | Br | OH |
| CH ₃ | O-amino acid | H | O | 6-N-acetyladenine | Br | OH |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl-8-fluoroguanine | Br | OH |
| CH ₃ | O-amino acid | H | O | 4-N-acetyl-5-fluorocytosine | Br | OH |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-fluoroadenine | Br | OH |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2,8-difluoroadenine | Br | OH |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-aminoadenine | Br | OH |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | OH |
| CH ₃ | O-amino acid | H | O | 2-N-acetylaminoadenine | Br | OH |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl-amino-8-fluoroadenine | Br | OH |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Br | OH |
| CH ₃ | O-amino acid | H | O | 2-N-acetylaminohypoxanthine | Br | OH |
| CH ₃ | O-amino acid | H | O | Thymine | Cl | H |
| CH ₃ | O-amino acid | H | O | Uracil | Cl | H |
| CH ₃ | O-amino acid | H | O | Guanine | Cl | H |
| CH ₃ | O-amino acid | H | O | Cytosine | Cl | H |
| CH ₃ | O-amino acid | H | O | Adenine | Cl | H |
| CH ₃ | O-amino acid | H | O | Hypoxanthine | Cl | H |
| CH ₃ | O-amino acid | H | O | 5-Fluorouracil | Cl | H |
| CH ₃ | O-amino acid | H | O | 8-Fluoroguanine | Cl | H |
| CH ₃ | O-amino acid | H | O | 5-Fluorocytosine | Cl | H |
| CH ₃ | O-amino acid | H | O | 8-Fluoroadenine | Cl | H |
| CH ₃ | O-amino acid | H | O | 2-Fluoroadenine | Cl | H |
| CH ₃ | O-amino acid | H | O | 2,8-Difluoroadenine | Cl | H |
| CH ₃ | O-amino acid | H | O | 2-Fluorohypoxanthine | Cl | H |
| CH ₃ | O-amino acid | H | O | 8-Fluorohypoxanthine | Cl | H |
| CH ₃ | O-amino acid | H | O | 2,8-Difluorohypoxanthine | Cl | H |
| CH ₃ | O-amino acid | H | O | 2-Aminoadenine | Cl | H |
| CH ₃ | O-amino acid | H | O | 2-Amino-8-fluoroadenine | Cl | H |
| CH ₃ | O-amino acid | H | O | 2-Amino-8-fluorohypoxanthine | Cl | H |
| CH ₃ | O-amino acid | H | O | 2-Aminohypoxanthine | Cl | H |
| CH ₃ | O-amino acid | H | O | 2-N-acetylguanine | Cl | H |
| CH ₃ | O-amino acid | H | O | 4-N-acetylcytosine | Cl | H |
| CH ₃ | O-amino acid | H | O | 6-N-acetyladenine | Cl | H |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | H | O | 2-N-acetyl-8-fluoroguanine | Cl | H |
| CH ₃ | O-amino acid | H | O | 4-N-acetyl-5-fluorocytosine | Cl | H |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-fluoroadenine | Cl | H |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2,8-difluoroadenine | Cl | H |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-aminoadenine | Cl | H |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | H |
| CH ₃ | O-amino acid | H | O | 2-N-acetylaminoadenine | Cl | H |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl-amino-8-fluoroadenine | Cl | H |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Cl | H |
| CH ₃ | O-amino acid | H | O | 2-N-acetylaminohypoxanthine | Cl | H |
| CH ₃ | O-amino acid | H | O | Thymine | Cl | O-amino acid |
| CH ₃ | O-amino acid | H | O | Uracil | Cl | O-amino acid |
| CH ₃ | O-amino acid | H | O | Guanine | Cl | O-amino acid |
| CH ₃ | O-amino acid | H | O | Cytosine | Cl | O-amino acid |
| CH ₃ | O-amino acid | H | O | Adenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | H | O | Hypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | H | O | 5-Fluorouracil | Cl | O-amino acid |
| CH ₃ | O-amino acid | H | O | 8-Fluoroguanine | Cl | O-amino acid |
| CH ₃ | O-amino acid | H | O | 5-Fluorocytosine | Cl | O-amino acid |
| CH ₃ | O-amino acid | H | O | 8-Fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-Fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2,8-Difluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-Fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | H | O | 8-Fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2,8-Difluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-Aminoadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-Amino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-Amino-8-fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-Aminohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-N-acetylguanine | Cl | O-amino acid |
| CH ₃ | O-amino acid | H | O | 4-N-acetylcytosine | Cl | O-amino acid |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-adenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl-8-fluoroguanine | Cl | O-amino acid |
| CH ₃ | O-amino acid | H | O | 4-N-acetyl-5-fluorocytosine | Cl | O-amino acid |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2,8-difluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-aminoadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-N-acetylaminoadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl-amino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-N-acetylaminohypoxanthine | Cl | O-amino acid |
| CH ₃ | O-amino acid | H | O | Thymine | Cl | O-acyl |
| CH ₃ | O-amino acid | H | O | Uracil | Cl | O-acyl |
| CH ₃ | O-amino acid | H | O | Guanine | Cl | O-acyl |
| CH ₃ | O-amino acid | H | O | Cytosine | Cl | O-acyl |
| CH ₃ | O-amino acid | H | O | Adenine | Cl | O-acyl |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | H | O | Hypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | H | O | 5-Fluorouracil | Cl | O-acyl |
| CH ₃ | O-amino acid | H | O | 8-Fluoroguanine | Cl | O-acyl |
| CH ₃ | O-amino acid | H | O | 5-Fluorocytosine | Cl | O-acyl |
| CH ₃ | O-amino acid | H | O | 8-Fluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-Fluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | H | O | 2,8-Difluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-Fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | H | O | 8-Fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | H | O | 2,8-Difluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-Aminoadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-Amino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-Amino-8-fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-Aminohypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-N-acetylguanine | Cl | O-acyl |
| CH ₃ | O-amino acid | H | O | 4-N-acetylcytosine | Cl | O-acyl |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl原因 | Cl | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl-8-fluoroguanine | Cl | O-acyl |
| CH ₃ | O-amino acid | H | O | 4-N-acetyl-5-fluorocytosine | Cl | O-acyl |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2,8-difluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-aminoadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-N-acetylaminoadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl-amino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-N-acetylaminohypoxanthine | Cl | O-acyl |
| CH ₃ | O-amino acid | H | O | Thymine | Cl | OH |
| CH ₃ | O-amino acid | H | O | Uracil | Cl | OH |
| CH ₃ | O-amino acid | H | O | Guanine | Cl | OH |
| CH ₃ | O-amino acid | H | O | Cytosine | Cl | OH |
| CH ₃ | O-amino acid | H | O | Adenine | Cl | OH |
| CH ₃ | O-amino acid | H | O | Hypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | H | O | 5-Fluorouracil | Cl | OH |
| CH ₃ | O-amino acid | H | O | 8-Fluoroguanine | Cl | OH |
| CH ₃ | O-amino acid | H | O | 5-Fluorocytosine | Cl | OH |
| CH ₃ | O-amino acid | H | O | 8-Fluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | H | O | 2-Fluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | H | O | 2,8-Difluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | H | O | 2-Fluorohypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | H | O | 8-Fluorohypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | H | O | 2,8-Difluorohypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | H | O | 2-Aminoadenine | Cl | OH |
| CH ₃ | O-amino acid | H | O | 2-Amino-8-fluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | H | O | 2-Amino-8-fluorohypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | H | O | 2-Aminohypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | H | O | 2-N-acetylguanine | Cl | OH |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | H | O | 4-N-acetylcytosine | Cl | OH |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl原因 | Cl | OH |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl-8-fluoroguanine | Cl | OH |
| CH ₃ | O-amino acid | H | O | 4-N-acetyl-5-fluorocytosine | Cl | OH |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-fluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2,8-difluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-aminoadenine | Cl | OH |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | H | O | 2-N-acetylaminoadenine | Cl | OH |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl原因-8-fluoroadenine | Cl | OH |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl原因-8-fluorohypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl原因hypoxanthine | Cl | OH |
| CH ₃ | O-amino acid | H | O | Thymine | H | H |
| CH ₃ | O-amino acid | H | O | Uracil | H | H |
| CH ₃ | O-amino acid | H | O | Guanine | H | H |
| CH ₃ | O-amino acid | H | O | Cytosine | H | H |
| CH ₃ | O-amino acid | H | O | Adenine | H | H |
| CH ₃ | O-amino acid | H | O | Hypoxanthine | H | H |
| CH ₃ | O-amino acid | H | O | 5-Fluorouracil | H | H |
| CH ₃ | O-amino acid | H | O | 8-Fluoroguanine | H | H |
| CH ₃ | O-amino acid | H | O | 5-Fluorocytosine | H | H |
| CH ₃ | O-amino acid | H | O | 8-Fluoroadenine | H | H |
| CH ₃ | O-amino acid | H | O | 2-Fluoroadenine | H | H |
| CH ₃ | O-amino acid | H | O | 2,8-Difluoroadenine | H | H |
| CH ₃ | O-amino acid | H | O | 2-Fluorohypoxanthine | H | H |
| CH ₃ | O-amino acid | H | O | 8-Fluorohypoxanthine | H | H |
| CH ₃ | O-amino acid | H | O | 2,8-Difluorohypoxanthine | H | H |
| CH ₃ | O-amino acid | H | O | 2-Aminoadenine | H | H |
| CH ₃ | O-amino acid | H | O | 2-Amino-8-fluoroadenine | H | H |
| CH ₃ | O-amino acid | H | O | 2-Amino-8-fluorohypoxanthine | H | H |
| CH ₃ | O-amino acid | H | O | 2-Aminohypoxanthine | H | H |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl原因 | H | H |
| CH ₃ | O-amino acid | H | O | 4-N-acetylcytosine | H | H |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl原因 | H | H |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl-8-fluoroguanine | H | H |
| CH ₃ | O-amino acid | H | O | 4-N-acetyl-5-fluorocytosine | H | H |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-fluoroadenine | H | H |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2,8-difluoroadenine | H | H |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-aminoadenine | H | H |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | H |
| CH ₃ | O-amino acid | H | O | 2-N-acetylaminoadenine | H | H |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl原因-8-fluoroadenine | H | H |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl原因-8-fluorohypoxanthine | H | H |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl原因hypoxanthine | H | H |
| CH ₃ | O-amino acid | H | O | Thymine | H | O-amino acid |
| CH ₃ | O-amino acid | H | O | Uracil | H | O-amino acid |
| CH ₃ | O-amino acid | H | O | Guanine | H | O-amino acid |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | H | O | Cytosine | H | O-amino acid |
| CH ₃ | O-amino acid | H | O | Adenine | H | O-amino acid |
| CH ₃ | O-amino acid | H | O | Hypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | H | O | 5-Fluorouracil | H | O-amino acid |
| CH ₃ | O-amino acid | H | O | 8-Fluoroguanine | H | O-amino acid |
| CH ₃ | O-amino acid | H | O | 5-Fluorocytosine | H | O-amino acid |
| CH ₃ | O-amino acid | H | O | 8-Fluoroadenine | H | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-Fluoroadenine | H | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2,8-Difluoroadenine | H | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-Fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | H | O | 8-Fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2,8-Difluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-Aminoadenine | H | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-Amino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-Amino-8-fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-Aminohypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-N-acetylguanine | H | O-amino acid |
| CH ₃ | O-amino acid | H | O | 4-N-acetylcytosine | H | O-amino acid |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl adenine | H | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl-8-fluoroguanine | H | O-amino acid |
| CH ₃ | O-amino acid | H | O | 4-N-acetyl-5-fluorocytosine | H | O-amino acid |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-fluoroadenine | H | O-amino acid |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2,8-difluoroadenine | H | O-amino acid |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-aminoadenine | H | O-amino acid |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-N-acetylaminoadenine | H | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl amino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl amino-8-fluorohypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | H | O | 2-N-acetylaminohypoxanthine | H | O-amino acid |
| CH ₃ | O-amino acid | H | O | Thymine | H | O-acyl |
| CH ₃ | O-amino acid | H | O | Uracil | H | O-acyl |
| CH ₃ | O-amino acid | H | O | Guanine | H | O-acyl |
| CH ₃ | O-amino acid | H | O | Cytosine | H | O-acyl |
| CH ₃ | O-amino acid | H | O | Adenine | H | O-acyl |
| CH ₃ | O-amino acid | H | O | Hypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | H | O | 5-Fluorouracil | H | O-acyl |
| CH ₃ | O-amino acid | H | O | 8-Fluoroguanine | H | O-acyl |
| CH ₃ | O-amino acid | H | O | 5-Fluorocytosine | H | O-acyl |
| CH ₃ | O-amino acid | H | O | 8-Fluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-Fluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | H | O | 2,8-Difluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-Fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | H | O | 8-Fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | H | O | 2,8-Difluorohypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-Aminoadenine | H | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-Amino-8-fluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-Amino-8-fluorohypoxanthine | H | O-acyl |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|--------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | H | O | 2-Aminohypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-N-acetylguanine | H | O-acyl |
| CH ₃ | O-amino acid | H | O | 4-N-acetylcytosine | H | O-acyl |
| CH ₃ | O-amino acid | H | O | 6-N-acetyladenine | H | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl-8-fluoroguanine | H | O-acyl |
| CH ₃ | O-amino acid | H | O | 4-N-acetyl-5-fluorocytosine | H | O-acyl |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-fluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2,8-difluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-aminoadenine | H | O-acyl |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-N-acetylaminoadenine | H | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-N-acetylamino-8-fluoroadenine | H | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-N-acetylamino-8-fluorohypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | H | O | 2-N-acetylaminohypoxanthine | H | O-acyl |
| CH ₃ | O-amino acid | H | O | Thymine | H | OH |
| CH ₃ | O-amino acid | H | O | Uracil | H | OH |
| CH ₃ | O-amino acid | H | O | Guanine | H | OH |
| CH ₃ | O-amino acid | H | O | Cytosine | H | OH |
| CH ₃ | O-amino acid | H | O | Adenine | H | OH |
| CH ₃ | O-amino acid | H | O | Hypoxanthine | H | OH |
| CH ₃ | O-amino acid | H | O | 5-Fluorouracil | H | OH |
| CH ₃ | O-amino acid | H | O | 8-Fluoroguanine | H | OH |
| CH ₃ | O-amino acid | H | O | 5-Fluorocytosine | H | OH |
| CH ₃ | O-amino acid | H | O | 8-Fluoroadenine | H | OH |
| CH ₃ | O-amino acid | H | O | 2-Fluoroadenine | H | OH |
| CH ₃ | O-amino acid | H | O | 2,8-Difluoroadenine | H | OH |
| CH ₃ | O-amino acid | H | O | 2-Fluorohypoxanthine | H | OH |
| CH ₃ | O-amino acid | H | O | 8-Fluorohypoxanthine | H | OH |
| CH ₃ | O-amino acid | H | O | 2,8-Difluorohypoxanthine | H | OH |
| CH ₃ | O-amino acid | H | O | 2-Aminoadenine | H | OH |
| CH ₃ | O-amino acid | H | O | 2-Amino-8-fluoroadenine | H | OH |
| CH ₃ | O-amino acid | H | O | 2-Amino-8-fluorohypoxanthine | H | OH |
| CH ₃ | O-amino acid | H | O | 2-Aminohypoxanthine | H | OH |
| CH ₃ | O-amino acid | H | O | 2-N-acetylguanine | H | OH |
| CH ₃ | O-amino acid | H | O | 4-N-acetylcytosine | H | OH |
| CH ₃ | O-amino acid | H | O | 6-N-acetyladenine | H | OH |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl-8-fluoroguanine | H | OH |
| CH ₃ | O-amino acid | H | O | 4-N-acetyl-5-fluorocytosine | H | OH |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-fluoroadenine | H | OH |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2,8-difluoroadenine | H | OH |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-aminoadenine | H | OH |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | OH |
| CH ₃ | O-amino acid | H | O | 2-N-acetylaminoadenine | H | OH |
| CH ₃ | O-amino acid | H | O | 2-N-acetylamino-8-fluoroadenine | H | OH |
| CH ₃ | O-amino acid | H | O | 2-N-acetylamino-8-fluorohypoxanthine | H | OH |
| CH ₃ | O-amino acid | H | O | 2-N-acetylaminohypoxanthine | H | OH |
| CH ₃ | O-amino acid | H | O | Thymine | OH | H |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | O-amino acid | H | O | Uracil | OH | H |
| CH ₃ | O-amino acid | H | O | Guanine | OH | H |
| CH ₃ | O-amino acid | H | O | Cytosine | OH | H |
| CH ₃ | O-amino acid | H | O | Adenine | OH | H |
| CH ₃ | O-amino acid | H | O | Hypoxanthine | OH | H |
| CH ₃ | O-amino acid | H | O | 5-Fluorouracil | OH | H |
| CH ₃ | O-amino acid | H | O | 8-Fluoroguanine | OH | H |
| CH ₃ | O-amino acid | H | O | 5-Fluorocytosine | OH | H |
| CH ₃ | O-amino acid | H | O | 8-Fluoroadenine | OH | H |
| CH ₃ | O-amino acid | H | O | 2-Fluoroadenine | OH | H |
| CH ₃ | O-amino acid | H | O | 2,8-Difluoroadenine | OH | H |
| CH ₃ | O-amino acid | H | O | 2-Fluorohypoxanthine | OH | H |
| CH ₃ | O-amino acid | H | O | 8-Fluorohypoxanthine | OH | H |
| CH ₃ | O-amino acid | H | O | 2,8-Difluorohypoxanthine | OH | H |
| CH ₃ | O-amino acid | H | O | 2-Aminoadenine | OH | H |
| CH ₃ | O-amino acid | H | O | 2-Amino-8-fluoroadenine | OH | H |
| CH ₃ | O-amino acid | H | O | 2-Amino-8-fluorohypoxanthine | OH | H |
| CH ₃ | O-amino acid | H | O | 2-Aminohypoxanthine | OH | H |
| CH ₃ | O-amino acid | H | O | 2-N-acetylguanine | OH | H |
| CH ₃ | O-amino acid | H | O | 4-N-acetylcytosine | OH | H |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl原因 | OH | H |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl-8-fluoroguanine | OH | H |
| CH ₃ | O-amino acid | H | O | 4-N-acetyl-5-fluorocytosine | OH | H |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-fluoroadenine | OH | H |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2,8-difluoroadenine | OH | H |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-aminoadenine | OH | H |
| CH ₃ | O-amino acid | H | O | 6-N-acetyl-2-amino-8-fluoroadenine | OH | H |
| CH ₃ | O-amino acid | H | O | 2-N-acetylaminoadenine | OH | H |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl-amino-8-fluoroadenine | OH | H |
| CH ₃ | O-amino acid | H | O | 2-N-acetyl-amino-8-fluorohypoxanthine | OH | H |
| CH ₃ | O-amino acid | H | O | 2-N-acetylaminohypoxanthine | OH | H |
| CH ₃ | OH | F | O | Thymine | F | O-amino acid |
| CH ₃ | OH | F | O | Uracil | F | O-amino acid |
| CH ₃ | OH | F | O | Guanine | F | O-amino acid |
| CH ₃ | OH | F | O | Cytosine | F | O-amino acid |
| CH ₃ | OH | F | O | Adenine | F | O-amino acid |
| CH ₃ | OH | F | O | Hypoxanthine | F | O-amino acid |
| CH ₃ | OH | F | O | 5-Fluorouracil | F | O-amino acid |
| CH ₃ | OH | F | O | 8-Fluoroguanine | F | O-amino acid |
| CH ₃ | OH | F | O | 5-Fluorocytosine | F | O-amino acid |
| CH ₃ | OH | F | O | 8-Fluoroadenine | F | O-amino acid |
| CH ₃ | OH | F | O | 2-Fluoroadenine | F | O-amino acid |
| CH ₃ | OH | F | O | 2,8-Difluoroadenine | F | O-amino acid |
| CH ₃ | OH | F | O | 2-Fluorohypoxanthine | F | O-amino acid |
| CH ₃ | OH | F | O | 8-Fluorohypoxanthine | F | O-amino acid |
| CH ₃ | OH | F | O | 2,8-Difluorohypoxanthine | F | O-amino acid |
| CH ₃ | OH | F | O | 2-Aminoadenine | F | O-amino acid |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|--------------------------------------|-----------------|----------------|
| CH ₃ | OH | F | O | 2-Amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | OH | F | O | 2-Amino-8-fluorohypoxanthine | F | O-amino acid |
| CH ₃ | OH | F | O | 2-Aminohypoxanthine | F | O-amino acid |
| CH ₃ | OH | F | O | 2-N-acetylguanine | F | O-amino acid |
| CH ₃ | OH | F | O | 4-N-acetylcytosine | F | O-amino acid |
| CH ₃ | OH | F | O | 6-N-acetyladenine | F | O-amino acid |
| CH ₃ | OH | F | O | 2-N-acetyl-8-fluoroguanine | F | O-amino acid |
| CH ₃ | OH | F | O | 4-N-acetyl-5-fluorocytosine | F | O-amino acid |
| CH ₃ | OH | F | O | 6-N-acetyl-2-fluoroadenine | F | O-amino acid |
| CH ₃ | OH | F | O | 6-N-acetyl-2,8-difluoroadenine | F | O-amino acid |
| CH ₃ | OH | F | O | 6-N-acetyl-2-aminoadenine | F | O-amino acid |
| CH ₃ | OH | F | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | OH | F | O | 2-N-acetylaminoadenine | F | O-amino acid |
| CH ₃ | OH | F | O | 2-N-acetylamino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | OH | F | O | 2-N-acetylamino-8-fluorohypoxanthine | F | O-amino acid |
| CH ₃ | OH | F | O | 2-N-acetylaminohypoxanthine | F | O-amino acid |
| CH ₃ | OH | F | O | Thymine | F | O-acyl |
| CH ₃ | OH | F | O | Uracil | F | O-acyl |
| CH ₃ | OH | F | O | Guanine | F | O-acyl |
| CH ₃ | OH | F | O | Cytosine | F | O-acyl |
| CH ₃ | OH | F | O | Adenine | F | O-acyl |
| CH ₃ | OH | F | O | Hypoxanthine | F | O-acyl |
| CH ₃ | OH | F | O | 5-Fluorouracil | F | O-acyl |
| CH ₃ | OH | F | O | 8-Fluoroguanine | F | O-acyl |
| CH ₃ | OH | F | O | 5-Fluorocytosine | F | O-acyl |
| CH ₃ | OH | F | O | 8-Fluoroadenine | F | O-acyl |
| CH ₃ | OH | F | O | 2-Fluoroadenine | F | O-acyl |
| CH ₃ | OH | F | O | 2,8-Difluoroadenine | F | O-acyl |
| CH ₃ | OH | F | O | 2-Fluorohypoxanthine | F | O-acyl |
| CH ₃ | OH | F | O | 8-Fluorohypoxanthine | F | O-acyl |
| CH ₃ | OH | F | O | 2,8-Difluorohypoxanthine | F | O-acyl |
| CH ₃ | OH | F | O | 2-Aminoadenine | F | O-acyl |
| CH ₃ | OH | F | O | 2-Amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | OH | F | O | 2-Amino-8-fluorohypoxanthine | F | O-acyl |
| CH ₃ | OH | F | O | 2-Aminohypoxanthine | F | O-acyl |
| CH ₃ | OH | F | O | 2-N-acetylguanine | F | O-acyl |
| CH ₃ | OH | F | O | 4-N-acetylcytosine | F | O-acyl |
| CH ₃ | OH | F | O | 6-N-acetyladenine | F | O-acyl |
| CH ₃ | OH | F | O | 2-N-acetyl-8-fluoroguanine | F | O-acyl |
| CH ₃ | OH | F | O | 4-N-acetyl-5-fluorocytosine | F | O-acyl |
| CH ₃ | OH | F | O | 6-N-acetyl-2-fluoroadenine | F | O-acyl |
| CH ₃ | OH | F | O | 6-N-acetyl-2,8-difluoroadenine | F | O-acyl |
| CH ₃ | OH | F | O | 6-N-acetyl-2-aminoadenine | F | O-acyl |
| CH ₃ | OH | F | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | OH | F | O | 2-N-acetylaminoadenine | F | O-acyl |
| CH ₃ | OH | F | O | 2-N-acetylamino-8-fluoroadenine | F | O-acyl |
| CH ₃ | OH | F | O | 2-N-acetylamino-8-fluorohypoxanthine | F | O-acyl |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | OH | F | O | 2-N-acetylaminohypoxanthine | F | O-acyl |
| CH ₃ | OH | F | O | Thymine | Br | O-amino acid |
| CH ₃ | OH | F | O | Uracil | Br | O-amino acid |
| CH ₃ | OH | F | O | Guanine | Br | O-amino acid |
| CH ₃ | OH | F | O | Cytosine | Br | O-amino acid |
| CH ₃ | OH | F | O | Adenine | Br | O-amino acid |
| CH ₃ | OH | F | O | Hypoxanthine | Br | O-amino acid |
| CH ₃ | OH | F | O | 5-Fluorouracil | Br | O-amino acid |
| CH ₃ | OH | F | O | 8-Fluoroguanine | Br | O-amino acid |
| CH ₃ | OH | F | O | 5-Fluorocytosine | Br | O-amino acid |
| CH ₃ | OH | F | O | 8-Fluoroadenine | Br | O-amino acid |
| CH ₃ | OH | F | O | 2-Fluoroadenine | Br | O-amino acid |
| CH ₃ | OH | F | O | 2,8-Difluoroadenine | Br | O-amino acid |
| CH ₃ | OH | F | O | 2-Fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | OH | F | O | 8-Fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | OH | F | O | 2,8-Difluorohypoxanthine | Br | O-amino acid |
| CH ₃ | OH | F | O | 2-Aminoadenine | Br | O-amino acid |
| CH ₃ | OH | F | O | 2-Amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | OH | F | O | 2-Amino-8-fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | OH | F | O | 2-Aminohypoxanthine | Br | O-amino acid |
| CH ₃ | OH | F | O | 2-N-acetylguanine | Br | O-amino acid |
| CH ₃ | OH | F | O | 4-N-acetylcytosine | Br | O-amino acid |
| CH ₃ | OH | F | O | 6-N-acetyladenine | Br | O-amino acid |
| CH ₃ | OH | F | O | 2-N-acetyl-8-fluoroguanine | Br | O-amino acid |
| CH ₃ | OH | F | O | 4-N-acetyl-5-fluorocytosine | Br | O-amino acid |
| CH ₃ | OH | F | O | 6-N-acetyl-2-fluoroadenine | Br | O-amino acid |
| CH ₃ | OH | F | O | 6-N-acetyl-2,8-difluoroadenine | Br | O-amino acid |
| CH ₃ | OH | F | O | 6-N-acetyl-2-aminoadenine | Br | O-amino acid |
| CH ₃ | OH | F | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | OH | F | O | 2-N-acetylaminoadenine | Br | O-amino acid |
| CH ₃ | OH | F | O | 2-N-acetyl-amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | OH | F | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | OH | F | O | 2-N-acetylaminohypoxanthine | Br | O-amino acid |
| CH ₃ | OH | F | O | Thymine | Br | O-acyl |
| CH ₃ | OH | F | O | Uracil | Br | O-acyl |
| CH ₃ | OH | F | O | Guanine | Br | O-acyl |
| CH ₃ | OH | F | O | Cytosine | Br | O-acyl |
| CH ₃ | OH | F | O | Adenine | Br | O-acyl |
| CH ₃ | OH | F | O | Hypoxanthine | Br | O-acyl |
| CH ₃ | OH | F | O | 5-Fluorouracil | Br | O-acyl |
| CH ₃ | OH | F | O | 8-Fluoroguanine | Br | O-acyl |
| CH ₃ | OH | F | O | 5-Fluorocytosine | Br | O-acyl |
| CH ₃ | OH | F | O | 8-Fluoroadenine | Br | O-acyl |
| CH ₃ | OH | F | O | 2-Fluoroadenine | Br | O-acyl |
| CH ₃ | OH | F | O | 2,8-Difluoroadenine | Br | O-acyl |
| CH ₃ | OH | F | O | 2-Fluorohypoxanthine | Br | O-acyl |
| CH ₃ | OH | F | O | 8-Fluorohypoxanthine | Br | O-acyl |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | OH | F | O | 2,8-Difluorohypoxanthine | Br | O-acyl |
| CH ₃ | OH | F | O | 2-Aminoadenine | Br | O-acyl |
| CH ₃ | OH | F | O | 2-Amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | OH | F | O | 2-Amino-8-fluorohypoxanthine | Br | O-acyl |
| CH ₃ | OH | F | O | 2-Aminohypoxanthine | Br | O-acyl |
| CH ₃ | OH | F | O | 2-N-acetylguanine | Br | O-acyl |
| CH ₃ | OH | F | O | 4-N-acetylcytosine | Br | O-acyl |
| CH ₃ | OH | F | O | 6-N-acetyladenine | Br | O-acyl |
| CH ₃ | OH | F | O | 2-N-acetyl-8-fluoroguanine | Br | O-acyl |
| CH ₃ | OH | F | O | 4-N-acetyl-5-fluorocytosine | Br | O-acyl |
| CH ₃ | OH | F | O | 6-N-acetyl-2-fluoroadenine | Br | O-acyl |
| CH ₃ | OH | F | O | 6-N-acetyl-2,8-difluoroadenine | Br | O-acyl |
| CH ₃ | OH | F | O | 6-N-acetyl-2-aminoadenine | Br | O-acyl |
| CH ₃ | OH | F | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | OH | F | O | 2-N-acetylaminoadenine | Br | O-acyl |
| CH ₃ | OH | F | O | 2-N-acetyl-amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | OH | F | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Br | O-acyl |
| CH ₃ | OH | F | O | 2-N-acetylaminohypoxanthine | Br | O-acyl |
| CH ₃ | OH | F | O | Thymine | Cl | O-amino acid |
| CH ₃ | OH | F | O | Uracil | Cl | O-amino acid |
| CH ₃ | OH | F | O | Guanine | Cl | O-amino acid |
| CH ₃ | OH | F | O | Cytosine | Cl | O-amino acid |
| CH ₃ | OH | F | O | Adenine | Cl | O-amino acid |
| CH ₃ | OH | F | O | Hypoxanthine | Cl | O-amino acid |
| CH ₃ | OH | F | O | 5-Fluorouracil | Cl | O-amino acid |
| CH ₃ | OH | F | O | 8-Fluoroguanine | Cl | O-amino acid |
| CH ₃ | OH | F | O | 5-Fluorocytosine | Cl | O-amino acid |
| CH ₃ | OH | F | O | 8-Fluoroadenine | Cl | O-amino acid |
| CH ₃ | OH | F | O | 2-Fluoroadenine | Cl | O-amino acid |
| CH ₃ | OH | F | O | 2,8-Difluoroadenine | Cl | O-amino acid |
| CH ₃ | OH | F | O | 2-Fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | OH | F | O | 8-Fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | OH | F | O | 2,8-Difluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | OH | F | O | 2-Aminoadenine | Cl | O-amino acid |
| CH ₃ | OH | F | O | 2-Amino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | OH | F | O | 2-Amino-8-fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | OH | F | O | 2-Aminohypoxanthine | Cl | O-amino acid |
| CH ₃ | OH | F | O | 2-N-acetylguanine | Cl | O-amino acid |
| CH ₃ | OH | F | O | 4-N-acetylcytosine | Cl | O-amino acid |
| CH ₃ | OH | F | O | 6-N-acetyladenine | Cl | O-amino acid |
| CH ₃ | OH | F | O | 2-N-acetyl-8-fluoroguanine | Cl | O-amino acid |
| CH ₃ | OH | F | O | 4-N-acetyl-5-fluorocytosine | Cl | O-amino acid |
| CH ₃ | OH | F | O | 6-N-acetyl-2-fluoroadenine | Cl | O-amino acid |
| CH ₃ | OH | F | O | 6-N-acetyl-2,8-difluoroadenine | Cl | O-amino acid |
| CH ₃ | OH | F | O | 6-N-acetyl-2-aminoadenine | Cl | O-amino acid |
| CH ₃ | OH | F | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | OH | F | O | 2-N-acetylaminoadenine | Cl | O-amino acid |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|--------------------------------------|-----------------|----------------|
| CH ₃ | OH | F | O | 2-N-acetylamino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | OH | F | O | 2-N-acetylamino-8-fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | OH | F | O | 2-N-acetylaminohypoxanthine | Cl | O-amino acid |
| CH ₃ | OH | F | O | Thymine | Cl | O-acyl |
| CH ₃ | OH | F | O | Uracil | Cl | O-acyl |
| CH ₃ | OH | F | O | Guanine | Cl | O-acyl |
| CH ₃ | OH | F | O | Cytosine | Cl | O-acyl |
| CH ₃ | OH | F | O | Adenine | Cl | O-acyl |
| CH ₃ | OH | F | O | Hypoxanthine | Cl | O-acyl |
| CH ₃ | OH | F | O | 5-Fluorouracil | Cl | O-acyl |
| CH ₃ | OH | F | O | 8-Fluoroguanine | Cl | O-acyl |
| CH ₃ | OH | F | O | 5-Fluorocytosine | Cl | O-acyl |
| CH ₃ | OH | F | O | 8-Fluoroadenine | Cl | O-acyl |
| CH ₃ | OH | F | O | 2-Fluoroadenine | Cl | O-acyl |
| CH ₃ | OH | F | O | 2,8-Difluoroadenine | Cl | O-acyl |
| CH ₃ | OH | F | O | 2-Fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | OH | F | O | 8-Fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | OH | F | O | 2,8-Difluorohypoxanthine | Cl | O-acyl |
| CH ₃ | OH | F | O | 2-Aminoadenine | Cl | O-acyl |
| CH ₃ | OH | F | O | 2-Amino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | OH | F | O | 2-Amino-8-fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | OH | F | O | 2-Aminohypoxanthine | Cl | O-acyl |
| CH ₃ | OH | F | O | 2-N-acetylguanine | Cl | O-acyl |
| CH ₃ | OH | F | O | 4-N-acetylcytosine | Cl | O-acyl |
| CH ₃ | OH | F | O | 6-N-acetylguanine | Cl | O-acyl |
| CH ₃ | OH | F | O | 2-N-acetyl-8-fluoroguanine | Cl | O-acyl |
| CH ₃ | OH | F | O | 4-N-acetyl-5-fluorocytosine | Cl | O-acyl |
| CH ₃ | OH | F | O | 6-N-acetyl-2-fluoroadenine | Cl | O-acyl |
| CH ₃ | OH | F | O | 6-N-acetyl-2,8-difluoroadenine | Cl | O-acyl |
| CH ₃ | OH | F | O | 6-N-acetyl-2-aminoadenine | Cl | O-acyl |
| CH ₃ | OH | F | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | OH | F | O | 2-N-acetylaminoadenine | Cl | O-acyl |
| CH ₃ | OH | F | O | 2-N-acetylamino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | OH | F | O | 2-N-acetylamino-8-fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | OH | F | O | 2-N-acetylaminohypoxanthine | Cl | O-acyl |
| CH ₃ | OH | F | O | Thymine | H | O-amino acid |
| CH ₃ | OH | F | O | Uracil | H | O-amino acid |
| CH ₃ | OH | F | O | Guanine | H | O-amino acid |
| CH ₃ | OH | F | O | Cytosine | H | O-amino acid |
| CH ₃ | OH | F | O | Adenine | H | O-amino acid |
| CH ₃ | OH | F | O | Hypoxanthine | H | O-amino acid |
| CH ₃ | OH | F | O | 5-Fluorouracil | H | O-amino acid |
| CH ₃ | OH | F | O | 8-Fluoroguanine | H | O-amino acid |
| CH ₃ | OH | F | O | 5-Fluorocytosine | H | O-amino acid |
| CH ₃ | OH | F | O | 8-Fluoroadenine | H | O-amino acid |
| CH ₃ | OH | F | O | 2-Fluoroadenine | H | O-amino acid |
| CH ₃ | OH | F | O | 2,8-Difluoroadenine | H | O-amino acid |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|--------------------------------------|-----------------|----------------|
| CH ₃ | OH | F | O | 2-Fluorohypoxanthine | H | O-amino acid |
| CH ₃ | OH | F | O | 8-Fluorohypoxanthine | H | O-amino acid |
| CH ₃ | OH | F | O | 2,8-Difluorohypoxanthine | H | O-amino acid |
| CH ₃ | OH | F | O | 2-Aminoadenine | H | O-amino acid |
| CH ₃ | OH | F | O | 2-Amino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | OH | F | O | 2-Amino-8-fluorohypoxanthine | H | O-amino acid |
| CH ₃ | OH | F | O | 2-Aminohypoxanthine | H | O-amino acid |
| CH ₃ | OH | F | O | 2-N-acetylguanine | H | O-amino acid |
| CH ₃ | OH | F | O | 4-N-acetylcytosine | H | O-amino acid |
| CH ₃ | OH | F | O | 6-N-acetyladenine | H | O-amino acid |
| CH ₃ | OH | F | O | 2-N-acetyl-8-fluoroguanine | H | O-amino acid |
| CH ₃ | OH | F | O | 4-N-acetyl-5-fluorocytosine | H | O-amino acid |
| CH ₃ | OH | F | O | 6-N-acetyl-2-fluoroadenine | H | O-amino acid |
| CH ₃ | OH | F | O | 6-N-acetyl-2,8-difluoroadenine | H | O-amino acid |
| CH ₃ | OH | F | O | 6-N-acetyl-2-aminoadenine | H | O-amino acid |
| CH ₃ | OH | F | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | OH | F | O | 2-N-acetylaminoadenine | H | O-amino acid |
| CH ₃ | OH | F | O | 2-N-acetylamino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | OH | F | O | 2-N-acetylamino-8-fluorohypoxanthine | H | O-amino acid |
| CH ₃ | OH | F | O | 2-N-acetylaminohypoxanthine | H | O-amino acid |
| CH ₃ | OH | F | O | Thymine | H | O-acyl |
| CH ₃ | OH | F | O | Uracil | H | O-acyl |
| CH ₃ | OH | F | O | Guanine | H | O-acyl |
| CH ₃ | OH | F | O | Cytosine | H | O-acyl |
| CH ₃ | OH | F | O | Adenine | H | O-acyl |
| CH ₃ | OH | F | O | Hypoxanthine | H | O-acyl |
| CH ₃ | OH | F | O | 5-Fluorouracil | H | O-acyl |
| CH ₃ | OH | F | O | 8-Fluoroguanine | H | O-acyl |
| CH ₃ | OH | F | O | 5-Fluorocytosine | H | O-acyl |
| CH ₃ | OH | F | O | 8-Fluoroadenine | H | O-acyl |
| CH ₃ | OH | F | O | 2-Fluoroadenine | H | O-acyl |
| CH ₃ | OH | F | O | 2,8-Difluoroadenine | H | O-acyl |
| CH ₃ | OH | F | O | 2-Fluorohypoxanthine | H | O-acyl |
| CH ₃ | OH | F | O | 8-Fluorohypoxanthine | H | O-acyl |
| CH ₃ | OH | F | O | 2,8-Difluorohypoxanthine | H | O-acyl |
| CH ₃ | OH | F | O | 2-Aminoadenine | H | O-acyl |
| CH ₃ | OH | F | O | 2-Amino-8-fluoroadenine | H | O-acyl |
| CH ₃ | OH | F | O | 2-Amino-8-fluorohypoxanthine | H | O-acyl |
| CH ₃ | OH | F | O | 2-Aminohypoxanthine | H | O-acyl |
| CH ₃ | OH | F | O | 2-N-acetylguanine | H | O-acyl |
| CH ₃ | OH | F | O | 4-N-acetylcytosine | H | O-acyl |
| CH ₃ | OH | F | O | 6-N-acetyladenine | H | O-acyl |
| CH ₃ | OH | F | O | 2-N-acetyl-8-fluoroguanine | H | O-acyl |
| CH ₃ | OH | F | O | 4-N-acetyl-5-fluorocytosine | H | O-acyl |
| CH ₃ | OH | F | O | 6-N-acetyl-2-fluoroadenine | H | O-acyl |
| CH ₃ | OH | F | O | 6-N-acetyl-2,8-difluoroadenine | H | O-acyl |
| CH ₃ | OH | F | O | 6-N-acetyl-2-aminoadenine | H | O-acyl |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | OH | F | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-acyl |
| CH ₃ | OH | F | O | 2-N-acetylaminoadenine | H | O-acyl |
| CH ₃ | OH | F | O | 2-N-acetyl-amino-8-fluoroadenine | H | O-acyl |
| CH ₃ | OH | F | O | 2-N-acetyl-amino-8-fluorohypoxanthine | H | O-acyl |
| CH ₃ | OH | F | O | 2-N-acetylaminohypoxanthine | H | O-acyl |
| CH ₃ | OH | Br | O | Thymine | F | O-amino acid |
| CH ₃ | OH | Br | O | Uracil | F | O-amino acid |
| CH ₃ | OH | Br | O | Guanine | F | O-amino acid |
| CH ₃ | OH | Br | O | Cytosine | F | O-amino acid |
| CH ₃ | OH | Br | O | Adenine | F | O-amino acid |
| CH ₃ | OH | Br | O | Hypoxanthine | F | O-amino acid |
| CH ₃ | OH | Br | O | 5-Fluorouracil | F | O-amino acid |
| CH ₃ | OH | Br | O | 8-Fluoroguanine | F | O-amino acid |
| CH ₃ | OH | Br | O | 5-Fluorocytosine | F | O-amino acid |
| CH ₃ | OH | Br | O | 8-Fluoroadenine | F | O-amino acid |
| CH ₃ | OH | Br | O | 2-Fluoroadenine | F | O-amino acid |
| CH ₃ | OH | Br | O | 2,8-Difluoroadenine | F | O-amino acid |
| CH ₃ | OH | Br | O | 2-Fluorohypoxanthine | F | O-amino acid |
| CH ₃ | OH | Br | O | 8-Fluorohypoxanthine | F | O-amino acid |
| CH ₃ | OH | Br | O | 2,8-Difluorohypoxanthine | F | O-amino acid |
| CH ₃ | OH | Br | O | 2-Aminoadenine | F | O-amino acid |
| CH ₃ | OH | Br | O | 2-Amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | OH | Br | O | 2-Amino-8-fluorohypoxanthine | F | O-amino acid |
| CH ₃ | OH | Br | O | 2-Aminohypoxanthine | F | O-amino acid |
| CH ₃ | OH | Br | O | 2-N-acetylguanine | F | O-amino acid |
| CH ₃ | OH | Br | O | 4-N-acetylcytosine | F | O-amino acid |
| CH ₃ | OH | Br | O | 6-N-acetyladenine | F | O-amino acid |
| CH ₃ | OH | Br | O | 2-N-acetyl-8-fluoroguanine | F | O-amino acid |
| CH ₃ | OH | Br | O | 4-N-acetyl-5-fluorocytosine | F | O-amino acid |
| CH ₃ | OH | Br | O | 6-N-acetyl-2-fluoroadenine | F | O-amino acid |
| CH ₃ | OH | Br | O | 6-N-acetyl-2,8-difluoroadenine | F | O-amino acid |
| CH ₃ | OH | Br | O | 6-N-acetyl-2-aminoadenine | F | O-amino acid |
| CH ₃ | OH | Br | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | OH | Br | O | 2-N-acetylaminoadenine | F | O-amino acid |
| CH ₃ | OH | Br | O | 2-N-acetyl-amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | OH | Br | O | 2-N-acetyl-amino-8-fluorohypoxanthine | F | O-amino acid |
| CH ₃ | OH | Br | O | 2-N-acetylaminohypoxanthine | F | O-amino acid |
| CH ₃ | OH | Br | O | Thymine | F | O-acyl |
| CH ₃ | OH | Br | O | Uracil | F | O-acyl |
| CH ₃ | OH | Br | O | Guanine | F | O-acyl |
| CH ₃ | OH | Br | O | Cytosine | F | O-acyl |
| CH ₃ | OH | Br | O | Adenine | F | O-acyl |
| CH ₃ | OH | Br | O | Hypoxanthine | F | O-acyl |
| CH ₃ | OH | Br | O | 5-Fluorouracil | F | O-acyl |
| CH ₃ | OH | Br | O | 8-Fluoroguanine | F | O-acyl |
| CH ₃ | OH | Br | O | 5-Fluorocytosine | F | O-acyl |
| CH ₃ | OH | Br | O | 8-Fluoroadenine | F | O-acyl |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|--------------------------------------|-----------------|----------------|
| CH ₃ | OH | Br | O | 2-Fluoroadenine | F | O-acyl |
| CH ₃ | OH | Br | O | 2,8-Difluoroadenine | F | O-acyl |
| CH ₃ | OH | Br | O | 2-Fluorohypoxanthine | F | O-acyl |
| CH ₃ | OH | Br | O | 8-Fluorohypoxanthine | F | O-acyl |
| CH ₃ | OH | Br | O | 2,8-Difluorohypoxanthine | F | O-acyl |
| CH ₃ | OH | Br | O | 2-Aminoadenine | F | O-acyl |
| CH ₃ | OH | Br | O | 2-Amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | OH | Br | O | 2-Amino-8-fluorohypoxanthine | F | O-acyl |
| CH ₃ | OH | Br | O | 2-Aminohypoxanthine | F | O-acyl |
| CH ₃ | OH | Br | O | 2-N-acetylguanine | F | O-acyl |
| CH ₃ | OH | Br | O | 4-N-acetylcytosine | F | O-acyl |
| CH ₃ | OH | Br | O | 6-N-acetyladenine | F | O-acyl |
| CH ₃ | OH | Br | O | 2-N-acetyl-8-fluoroguanine | F | O-acyl |
| CH ₃ | OH | Br | O | 4-N-acetyl-5-fluorocytosine | F | O-acyl |
| CH ₃ | OH | Br | O | 6-N-acetyl-2-fluoroadenine | F | O-acyl |
| CH ₃ | OH | Br | O | 6-N-acetyl-2,8-difluoroadenine | F | O-acyl |
| CH ₃ | OH | Br | O | 6-N-acetyl-2-aminoadenine | F | O-acyl |
| CH ₃ | OH | Br | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | OH | Br | O | 2-N-acetylaminoadenine | F | O-acyl |
| CH ₃ | OH | Br | O | 2-N-acetylamino-8-fluoroadenine | F | O-acyl |
| CH ₃ | OH | Br | O | 2-N-acetylamino-8-fluorohypoxanthine | F | O-acyl |
| CH ₃ | OH | Br | O | 2-N-acetylaminohypoxanthine | F | O-acyl |
| CH ₃ | OH | Br | O | Thymine | Br | O-amino acid |
| CH ₃ | OH | Br | O | Uracil | Br | O-amino acid |
| CH ₃ | OH | Br | O | Guanine | Br | O-amino acid |
| CH ₃ | OH | Br | O | Cytosine | Br | O-amino acid |
| CH ₃ | OH | Br | O | Adenine | Br | O-amino acid |
| CH ₃ | OH | Br | O | Hypoxanthine | Br | O-amino acid |
| CH ₃ | OH | Br | O | 5-Fluorouracil | Br | O-amino acid |
| CH ₃ | OH | Br | O | 8-Fluoroguanine | Br | O-amino acid |
| CH ₃ | OH | Br | O | 5-Fluorocytosine | Br | O-amino acid |
| CH ₃ | OH | Br | O | 8-Fluoroadenine | Br | O-amino acid |
| CH ₃ | OH | Br | O | 2-Fluoroadenine | Br | O-amino acid |
| CH ₃ | OH | Br | O | 2,8-Difluoroadenine | Br | O-amino acid |
| CH ₃ | OH | Br | O | 2-Fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | OH | Br | O | 8-Fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | OH | Br | O | 2,8-Difluorohypoxanthine | Br | O-amino acid |
| CH ₃ | OH | Br | O | 2-Aminoadenine | Br | O-amino acid |
| CH ₃ | OH | Br | O | 2-Amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | OH | Br | O | 2-Amino-8-fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | OH | Br | O | 2-Aminohypoxanthine | Br | O-amino acid |
| CH ₃ | OH | Br | O | 2-N-acetylguanine | Br | O-amino acid |
| CH ₃ | OH | Br | O | 4-N-acetylcytosine | Br | O-amino acid |
| CH ₃ | OH | Br | O | 6-N-acetyladenine | Br | O-amino acid |
| CH ₃ | OH | Br | O | 2-N-acetyl-8-fluoroguanine | Br | O-amino acid |
| CH ₃ | OH | Br | O | 4-N-acetyl-5-fluorocytosine | Br | O-amino acid |
| CH ₃ | OH | Br | O | 6-N-acetyl-2-fluoroadenine | Br | O-amino acid |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | OH | Br | O | 6-N-acetyl-2,8-difluoroadenine | Br | O-amino acid |
| CH ₃ | OH | Br | O | 6-N-acetyl-2-aminoadenine | Br | O-amino acid |
| CH ₃ | OH | Br | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | OH | Br | O | 2-N-acetylaminoadenine | Br | O-amino acid |
| CH ₃ | OH | Br | O | 2-N-acetyl-amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | OH | Br | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | OH | Br | O | 2-N-acetylaminohypoxanthine | Br | O-amino acid |
| CH ₃ | OH | Br | O | Thymine | Br | O-acyl |
| CH ₃ | OH | Br | O | Uracil | Br | O-acyl |
| CH ₃ | OH | Br | O | Guanine | Br | O-acyl |
| CH ₃ | OH | Br | O | Cytosine | Br | O-acyl |
| CH ₃ | OH | Br | O | Adenine | Br | O-acyl |
| CH ₃ | OH | Br | O | Hypoxanthine | Br | O-acyl |
| CH ₃ | OH | Br | O | 5-Fluorouracil | Br | O-acyl |
| CH ₃ | OH | Br | O | 8-Fluoroguanine | Br | O-acyl |
| CH ₃ | OH | Br | O | 5-Fluorocytosine | Br | O-acyl |
| CH ₃ | OH | Br | O | 8-Fluoroadenine | Br | O-acyl |
| CH ₃ | OH | Br | O | 2-Fluoroadenine | Br | O-acyl |
| CH ₃ | OH | Br | O | 2,8-Difluoroadenine | Br | O-acyl |
| CH ₃ | OH | Br | O | 2-Fluorohypoxanthine | Br | O-acyl |
| CH ₃ | OH | Br | O | 8-Fluorohypoxanthine | Br | O-acyl |
| CH ₃ | OH | Br | O | 2,8-Difluorohypoxanthine | Br | O-acyl |
| CH ₃ | OH | Br | O | 2-Aminoadenine | Br | O-acyl |
| CH ₃ | OH | Br | O | 2-Amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | OH | Br | O | 2-Amino-8-fluorohypoxanthine | Br | O-acyl |
| CH ₃ | OH | Br | O | 2-Aminohypoxanthine | Br | O-acyl |
| CH ₃ | OH | Br | O | 2-N-acetylguanine | Br | O-acyl |
| CH ₃ | OH | Br | O | 4-N-acetylcytosine | Br | O-acyl |
| CH ₃ | OH | Br | O | 6-N-acetyl-adenine | Br | O-acyl |
| CH ₃ | OH | Br | O | 2-N-acetyl-8-fluoroguanine | Br | O-acyl |
| CH ₃ | OH | Br | O | 4-N-acetyl-5-fluorocytosine | Br | O-acyl |
| CH ₃ | OH | Br | O | 6-N-acetyl-2-fluoroadenine | Br | O-acyl |
| CH ₃ | OH | Br | O | 6-N-acetyl-2,8-difluoroadenine | Br | O-acyl |
| CH ₃ | OH | Br | O | 6-N-acetyl-2-aminoadenine | Br | O-acyl |
| CH ₃ | OH | Br | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | OH | Br | O | 2-N-acetylaminoadenine | Br | O-acyl |
| CH ₃ | OH | Br | O | 2-N-acetyl-amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | OH | Br | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Br | O-acyl |
| CH ₃ | OH | Br | O | 2-N-acetylaminohypoxanthine | Br | O-acyl |
| CH ₃ | OH | Br | O | Thymine | Cl | O-amino acid |
| CH ₃ | OH | Br | O | Uracil | Cl | O-amino acid |
| CH ₃ | OH | Br | O | Guanine | Cl | O-amino acid |
| CH ₃ | OH | Br | O | Cytosine | Cl | O-amino acid |
| CH ₃ | OH | Br | O | Adenine | Cl | O-amino acid |
| CH ₃ | OH | Br | O | Hypoxanthine | Cl | O-amino acid |
| CH ₃ | OH | Br | O | 5-Fluorouracil | Cl | O-amino acid |
| CH ₃ | OH | Br | O | 8-Fluoroguanine | Cl | O-amino acid |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|------------------------------------|-----------------|----------------|
| CH ₃ | OH | Br | O | 5-Fluorocytosine | Cl | O-amino acid |
| CH ₃ | OH | Br | O | 8-Fluoroadenine | Cl | O-amino acid |
| CH ₃ | OH | Br | O | 2-Fluoroadenine | Cl | O-amino acid |
| CH ₃ | OH | Br | O | 2,8-Difluoroadenine | Cl | O-amino acid |
| CH ₃ | OH | Br | O | 2-Fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | OH | Br | O | 8-Fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | OH | Br | O | 2,8-Difluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | OH | Br | O | 2-Aminoadenine | Cl | O-amino acid |
| CH ₃ | OH | Br | O | 2-Amino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | OH | Br | O | 2-Amino-8-fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | OH | Br | O | 2-Aminohypoxanthine | Cl | O-amino acid |
| CH ₃ | OH | Br | O | 2-N-acetylguanine | Cl | O-amino acid |
| CH ₃ | OH | Br | O | 4-N-acetylcytosine | Cl | O-amino acid |
| CH ₃ | OH | Br | O | 6-N-acetyl原因 | Cl | O-amino acid |
| CH ₃ | OH | Br | O | 2-N-acetyl-8-fluoroguanine | Cl | O-amino acid |
| CH ₃ | OH | Br | O | 4-N-acetyl-5-fluorocytosine | Cl | O-amino acid |
| CH ₃ | OH | Br | O | 6-N-acetyl-2-fluoroadenine | Cl | O-amino acid |
| CH ₃ | OH | Br | O | 6-N-acetyl-2,8-difluoroadenine | Cl | O-amino acid |
| CH ₃ | OH | Br | O | 6-N-acetyl-2-aminoadenine | Cl | O-amino acid |
| CH ₃ | OH | Br | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | OH | Br | O | 2-N-acetyl原因 | Cl | O-amino acid |
| CH ₃ | OH | Br | O | 2-N-acetyl原因-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | OH | Br | O | 2-N-acetyl原因-8-fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | OH | Br | O | 2-N-acetyl原因hypoxanthine | Cl | O-amino acid |
| CH ₃ | OH | Br | O | Thymine | Cl | O-acyl |
| CH ₃ | OH | Br | O | Uracil | Cl | O-acyl |
| CH ₃ | OH | Br | O | Guanine | Cl | O-acyl |
| CH ₃ | OH | Br | O | Cytosine | Cl | O-acyl |
| CH ₃ | OH | Br | O | Adenine | Cl | O-acyl |
| CH ₃ | OH | Br | O | Hypoxanthine | Cl | O-acyl |
| CH ₃ | OH | Br | O | 5-Fluorouracil | Cl | O-acyl |
| CH ₃ | OH | Br | O | 8-Fluoroguanine | Cl | O-acyl |
| CH ₃ | OH | Br | O | 5-Fluorocytosine | Cl | O-acyl |
| CH ₃ | OH | Br | O | 8-Fluoroadenine | Cl | O-acyl |
| CH ₃ | OH | Br | O | 2-Fluoroadenine | Cl | O-acyl |
| CH ₃ | OH | Br | O | 2,8-Difluoroadenine | Cl | O-acyl |
| CH ₃ | OH | Br | O | 2-Fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | OH | Br | O | 8-Fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | OH | Br | O | 2,8-Difluorohypoxanthine | Cl | O-acyl |
| CH ₃ | OH | Br | O | 2-Aminoadenine | Cl | O-acyl |
| CH ₃ | OH | Br | O | 2-Amino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | OH | Br | O | 2-Amino-8-fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | OH | Br | O | 2-Aminohypoxanthine | Cl | O-acyl |
| CH ₃ | OH | Br | O | 2-N-acetylguanine | Cl | O-acyl |
| CH ₃ | OH | Br | O | 4-N-acetylcytosine | Cl | O-acyl |
| CH ₃ | OH | Br | O | 6-N-acetyl原因 | Cl | O-acyl |
| CH ₃ | OH | Br | O | 2-N-acetyl-8-fluoroguanine | Cl | O-acyl |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|--------------------------------------|-----------------|----------------|
| CH ₃ | OH | Br | O | 4-N-acetyl-5-fluorocytosine | Cl | O-acyl |
| CH ₃ | OH | Br | O | 6-N-acetyl-2-fluoroadenine | Cl | O-acyl |
| CH ₃ | OH | Br | O | 6-N-acetyl-2,8-difluoroadenine | Cl | O-acyl |
| CH ₃ | OH | Br | O | 6-N-acetyl-2-aminoadenine | Cl | O-acyl |
| CH ₃ | OH | Br | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | OH | Br | O | 2-N-acetylaminoadenine | Cl | O-acyl |
| CH ₃ | OH | Br | O | 2-N-acetylamino-8-fluoroadenine | Cl | O-acyl |
| CH ₃ | OH | Br | O | 2-N-acetylamino-8-fluorohypoxanthine | Cl | O-acyl |
| CH ₃ | OH | Br | O | 2-N-acetylaminohypoxanthine | Cl | O-acyl |
| CH ₃ | OH | Br | O | Thymine | H | O-amino acid |
| CH ₃ | OH | Br | O | Uracil | H | O-amino acid |
| CH ₃ | OH | Br | O | Guanine | H | O-amino acid |
| CH ₃ | OH | Br | O | Cytosine | H | O-amino acid |
| CH ₃ | OH | Br | O | Adenine | H | O-amino acid |
| CH ₃ | OH | Br | O | Hypoxanthine | H | O-amino acid |
| CH ₃ | OH | Br | O | 5-Fluorouracil | H | O-amino acid |
| CH ₃ | OH | Br | O | 8-Fluoroguanine | H | O-amino acid |
| CH ₃ | OH | Br | O | 5-Fluorocytosine | H | O-amino acid |
| CH ₃ | OH | Br | O | 8-Fluoroadenine | H | O-amino acid |
| CH ₃ | OH | Br | O | 2-Fluoroadenine | H | O-amino acid |
| CH ₃ | OH | Br | O | 2,8-Difluoroadenine | H | O-amino acid |
| CH ₃ | OH | Br | O | 2-Fluorohypoxanthine | H | O-amino acid |
| CH ₃ | OH | Br | O | 8-Fluorohypoxanthine | H | O-amino acid |
| CH ₃ | OH | Br | O | 2,8-Difluorohypoxanthine | H | O-amino acid |
| CH ₃ | OH | Br | O | 2-Aminoadenine | H | O-amino acid |
| CH ₃ | OH | Br | O | 2-Amino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | OH | Br | O | 2-Amino-8-fluorohypoxanthine | H | O-amino acid |
| CH ₃ | OH | Br | O | 2-Aminohypoxanthine | H | O-amino acid |
| CH ₃ | OH | Br | O | 2-N-acetylguanine | H | O-amino acid |
| CH ₃ | OH | Br | O | 4-N-acetylcytosine | H | O-amino acid |
| CH ₃ | OH | Br | O | 6-N-acetyladenine | H | O-amino acid |
| CH ₃ | OH | Br | O | 2-N-acetyl-8-fluoroguanine | H | O-amino acid |
| CH ₃ | OH | Br | O | 4-N-acetyl-5-fluorocytosine | H | O-amino acid |
| CH ₃ | OH | Br | O | 6-N-acetyl-2-fluoroadenine | H | O-amino acid |
| CH ₃ | OH | Br | O | 6-N-acetyl-2,8-difluoroadenine | H | O-amino acid |
| CH ₃ | OH | Br | O | 6-N-acetyl-2-aminoadenine | H | O-amino acid |
| CH ₃ | OH | Br | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | OH | Br | O | 2-N-acetylaminoadenine | H | O-amino acid |
| CH ₃ | OH | Br | O | 2-N-acetylamino-8-fluoroadenine | H | O-amino acid |
| CH ₃ | OH | Br | O | 2-N-acetylamino-8-fluorohypoxanthine | H | O-amino acid |
| CH ₃ | OH | Br | O | 2-N-acetylaminohypoxanthine | H | O-amino acid |
| CH ₃ | OH | Br | O | Thymine | H | O-acyl |
| CH ₃ | OH | Br | O | Uracil | H | O-acyl |
| CH ₃ | OH | Br | O | Guanine | H | O-acyl |
| CH ₃ | OH | Br | O | Cytosine | H | O-acyl |
| CH ₃ | OH | Br | O | Adenine | H | O-acyl |
| CH ₃ | OH | Br | O | Hypoxanthine | H | O-acyl |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|------------------------------------|-----------------|----------------|
| CH ₃ | OH | Br | O | 5-Fluorouracil | H | O-acyl |
| CH ₃ | OH | Br | O | 8-Fluoroguanine | H | O-acyl |
| CH ₃ | OH | Br | O | 5-Fluorocytosine | H | O-acyl |
| CH ₃ | OH | Br | O | 8-Fluoroadenine | H | O-acyl |
| CH ₃ | OH | Br | O | 2-Fluoroadenine | H | O-acyl |
| CH ₃ | OH | Br | O | 2,8-Difluoroadenine | H | O-acyl |
| CH ₃ | OH | Br | O | 2-Fluorohypoxanthine | H | O-acyl |
| CH ₃ | OH | Br | O | 8-Fluorohypoxanthine | H | O-acyl |
| CH ₃ | OH | Br | O | 2,8-Difluorohypoxanthine | H | O-acyl |
| CH ₃ | OH | Br | O | 2-Aminoadenine | H | O-acyl |
| CH ₃ | OH | Br | O | 2-Amino-8-fluoroadenine | H | O-acyl |
| CH ₃ | OH | Br | O | 2-Amino-8-fluorohypoxanthine | H | O-acyl |
| CH ₃ | OH | Br | O | 2-Aminohypoxanthine | H | O-acyl |
| CH ₃ | OH | Br | O | 2-N-acetylguanine | H | O-acyl |
| CH ₃ | OH | Br | O | 4-N-acetylcytosine | H | O-acyl |
| CH ₃ | OH | Br | O | 6-N-acetyl原因 | H | O-acyl |
| CH ₃ | OH | Br | O | 2-N-acetyl-8-fluoroguanine | H | O-acyl |
| CH ₃ | OH | Br | O | 4-N-acetyl-5-fluorocytosine | H | O-acyl |
| CH ₃ | OH | Br | O | 6-N-acetyl-2-fluoroadenine | H | O-acyl |
| CH ₃ | OH | Br | O | 6-N-acetyl-2,8-difluoroadenine | H | O-acyl |
| CH ₃ | OH | Br | O | 6-N-acetyl-2-aminoadenine | H | O-acyl |
| CH ₃ | OH | Br | O | 6-N-acetyl-2-amino-8-fluoroadenine | H | O-acyl |
| CH ₃ | OH | Br | O | 2-N-acetyl原因 | H | O-acyl |
| CH ₃ | OH | Br | O | 2-N-acetyl原因-8-fluoroadenine | H | O-acyl |
| CH ₃ | OH | Br | O | 2-N-acetyl原因-8-fluorohypoxanthine | H | O-acyl |
| CH ₃ | OH | Br | O | 2-N-acetyl原因 | H | O-acyl |
| CH ₃ | OH | Cl | O | Thymine | F | O-amino acid |
| CH ₃ | OH | Cl | O | Uracil | F | O-amino acid |
| CH ₃ | OH | Cl | O | Guanine | F | O-amino acid |
| CH ₃ | OH | Cl | O | Cytosine | F | O-amino acid |
| CH ₃ | OH | Cl | O | Adenine | F | O-amino acid |
| CH ₃ | OH | Cl | O | Hypoxanthine | F | O-amino acid |
| CH ₃ | OH | Cl | O | 5-Fluorouracil | F | O-amino acid |
| CH ₃ | OH | Cl | O | 8-Fluoroguanine | F | O-amino acid |
| CH ₃ | OH | Cl | O | 5-Fluorocytosine | F | O-amino acid |
| CH ₃ | OH | Cl | O | 8-Fluoroadenine | F | O-amino acid |
| CH ₃ | OH | Cl | O | 2-Fluoroadenine | F | O-amino acid |
| CH ₃ | OH | Cl | O | 2,8-Difluoroadenine | F | O-amino acid |
| CH ₃ | OH | Cl | O | 2-Fluorohypoxanthine | F | O-amino acid |
| CH ₃ | OH | Cl | O | 8-Fluorohypoxanthine | F | O-amino acid |
| CH ₃ | OH | Cl | O | 2,8-Difluorohypoxanthine | F | O-amino acid |
| CH ₃ | OH | Cl | O | 2-Aminoadenine | F | O-amino acid |
| CH ₃ | OH | Cl | O | 2-Amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | OH | Cl | O | 2-Amino-8-fluorohypoxanthine | F | O-amino acid |
| CH ₃ | OH | Cl | O | 2-Aminohypoxanthine | F | O-amino acid |
| CH ₃ | OH | Cl | O | 2-N-acetylguanine | F | O-amino acid |
| CH ₃ | OH | Cl | O | 4-N-acetylcytosine | F | O-amino acid |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|--------------------------------------|-----------------|----------------|
| CH ₃ | OH | Cl | O | 6-N-acetyladenine | F | O-amino acid |
| CH ₃ | OH | Cl | O | 2-N-acetyl-8-fluoroguanine | F | O-amino acid |
| CH ₃ | OH | Cl | O | 4-N-acetyl-5-fluorocytosine | F | O-amino acid |
| CH ₃ | OH | Cl | O | 6-N-acetyl-2-fluoroadenine | F | O-amino acid |
| CH ₃ | OH | Cl | O | 6-N-acetyl-2,8-difluoroadenine | F | O-amino acid |
| CH ₃ | OH | Cl | O | 6-N-acetyl-2-aminoadenine | F | O-amino acid |
| CH ₃ | OH | Cl | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | OH | Cl | O | 2-N-acetylaminoadenine | F | O-amino acid |
| CH ₃ | OH | Cl | O | 2-N-acetylamino-8-fluoroadenine | F | O-amino acid |
| CH ₃ | OH | Cl | O | 2-N-acetylamino-8-fluorohypoxanthine | F | O-amino acid |
| CH ₃ | OH | Cl | O | 2-N-acetylaminohypoxanthine | F | O-amino acid |
| CH ₃ | OH | Cl | O | Thymine | F | O-acyl |
| CH ₃ | OH | Cl | O | Uracil | F | O-acyl |
| CH ₃ | OH | Cl | O | Guanine | F | O-acyl |
| CH ₃ | OH | Cl | O | Cytosine | F | O-acyl |
| CH ₃ | OH | Cl | O | Adenine | F | O-acyl |
| CH ₃ | OH | Cl | O | Hypoxanthine | F | O-acyl |
| CH ₃ | OH | Cl | O | 5-Fluorouracil | F | O-acyl |
| CH ₃ | OH | Cl | O | 8-Fluoroguanine | F | O-acyl |
| CH ₃ | OH | Cl | O | 5-Fluorocytosine | F | O-acyl |
| CH ₃ | OH | Cl | O | 8-Fluoroadenine | F | O-acyl |
| CH ₃ | OH | Cl | O | 2-Fluoroadenine | F | O-acyl |
| CH ₃ | OH | Cl | O | 2,8-Difluoroadenine | F | O-acyl |
| CH ₃ | OH | Cl | O | 2-Fluorohypoxanthine | F | O-acyl |
| CH ₃ | OH | Cl | O | 8-Fluorohypoxanthine | F | O-acyl |
| CH ₃ | OH | Cl | O | 2,8-Difluorohypoxanthine | F | O-acyl |
| CH ₃ | OH | Cl | O | 2-Aminoadenine | F | O-acyl |
| CH ₃ | OH | Cl | O | 2-Amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | OH | Cl | O | 2-Amino-8-fluorohypoxanthine | F | O-acyl |
| CH ₃ | OH | Cl | O | 2-Aminohypoxanthine | F | O-acyl |
| CH ₃ | OH | Cl | O | 2-N-acetylguanine | F | O-acyl |
| CH ₃ | OH | Cl | O | 4-N-acetylcytosine | F | O-acyl |
| CH ₃ | OH | Cl | O | 6-N-acetyladenine | F | O-acyl |
| CH ₃ | OH | Cl | O | 2-N-acetyl-8-fluoroguanine | F | O-acyl |
| CH ₃ | OH | Cl | O | 4-N-acetyl-5-fluorocytosine | F | O-acyl |
| CH ₃ | OH | Cl | O | 6-N-acetyl-2-fluoroadenine | F | O-acyl |
| CH ₃ | OH | Cl | O | 6-N-acetyl-2,8-difluoroadenine | F | O-acyl |
| CH ₃ | OH | Cl | O | 6-N-acetyl-2-aminoadenine | F | O-acyl |
| CH ₃ | OH | Cl | O | 6-N-acetyl-2-amino-8-fluoroadenine | F | O-acyl |
| CH ₃ | OH | Cl | O | 2-N-acetylaminoadenine | F | O-acyl |
| CH ₃ | OH | Cl | O | 2-N-acetylamino-8-fluoroadenine | F | O-acyl |
| CH ₃ | OH | Cl | O | 2-N-acetylamino-8-fluorohypoxanthine | F | O-acyl |
| CH ₃ | OH | Cl | O | 2-N-acetylaminohypoxanthine | F | O-acyl |
| CH ₃ | OH | Cl | O | Thymine | Br | O-amino acid |
| CH ₃ | OH | Cl | O | Uracil | Br | O-amino acid |
| CH ₃ | OH | Cl | O | Guanine | Br | O-amino acid |
| CH ₃ | OH | Cl | O | Cytosine | Br | O-amino acid |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|---------------------------------------|-----------------|----------------|
| CH ₃ | OH | Cl | O | Adenine | Br | O-amino acid |
| CH ₃ | OH | Cl | O | Hypoxanthine | Br | O-amino acid |
| CH ₃ | OH | Cl | O | 5-Fluorouracil | Br | O-amino acid |
| CH ₃ | OH | Cl | O | 8-Fluoroguanine | Br | O-amino acid |
| CH ₃ | OH | Cl | O | 5-Fluorocytosine | Br | O-amino acid |
| CH ₃ | OH | Cl | O | 8-Fluoroadenine | Br | O-amino acid |
| CH ₃ | OH | Cl | O | 2-Fluoroadenine | Br | O-amino acid |
| CH ₃ | OH | Cl | O | 2,8-Difluoroadenine | Br | O-amino acid |
| CH ₃ | OH | Cl | O | 2-Fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | OH | Cl | O | 8-Fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | OH | Cl | O | 2,8-Difluorohypoxanthine | Br | O-amino acid |
| CH ₃ | OH | Cl | O | 2-Aminoadenine | Br | O-amino acid |
| CH ₃ | OH | Cl | O | 2-Amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | OH | Cl | O | 2-Amino-8-fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | OH | Cl | O | 2-Aminohypoxanthine | Br | O-amino acid |
| CH ₃ | OH | Cl | O | 2-N-acetylguanine | Br | O-amino acid |
| CH ₃ | OH | Cl | O | 4-N-acetylcytosine | Br | O-amino acid |
| CH ₃ | OH | Cl | O | 6-N-acetyl原因 | Br | O-amino acid |
| CH ₃ | OH | Cl | O | 2-N-acetyl-8-fluoroguanine | Br | O-amino acid |
| CH ₃ | OH | Cl | O | 4-N-acetyl-5-fluorocytosine | Br | O-amino acid |
| CH ₃ | OH | Cl | O | 6-N-acetyl-2-fluoroadenine | Br | O-amino acid |
| CH ₃ | OH | Cl | O | 6-N-acetyl-2,8-difluoroadenine | Br | O-amino acid |
| CH ₃ | OH | Cl | O | 6-N-acetyl-2-aminoadenine | Br | O-amino acid |
| CH ₃ | OH | Cl | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | OH | Cl | O | 2-N-acetylaminoadenine | Br | O-amino acid |
| CH ₃ | OH | Cl | O | 2-N-acetyl-amino-8-fluoroadenine | Br | O-amino acid |
| CH ₃ | OH | Cl | O | 2-N-acetyl-amino-8-fluorohypoxanthine | Br | O-amino acid |
| CH ₃ | OH | Cl | O | 2-N-acetylaminohypoxanthine | Br | O-amino acid |
| CH ₃ | OH | Cl | O | Thymine | Br | O-acyl |
| CH ₃ | OH | Cl | O | Uracil | Br | O-acyl |
| CH ₃ | OH | Cl | O | Guanine | Br | O-acyl |
| CH ₃ | OH | Cl | O | Cytosine | Br | O-acyl |
| CH ₃ | OH | Cl | O | Adenine | Br | O-acyl |
| CH ₃ | OH | Cl | O | Hypoxanthine | Br | O-acyl |
| CH ₃ | OH | Cl | O | 5-Fluorouracil | Br | O-acyl |
| CH ₃ | OH | Cl | O | 8-Fluoroguanine | Br | O-acyl |
| CH ₃ | OH | Cl | O | 5-Fluorocytosine | Br | O-acyl |
| CH ₃ | OH | Cl | O | 8-Fluoroadenine | Br | O-acyl |
| CH ₃ | OH | Cl | O | 2-Fluoroadenine | Br | O-acyl |
| CH ₃ | OH | Cl | O | 2,8-Difluoroadenine | Br | O-acyl |
| CH ₃ | OH | Cl | O | 2-Fluorohypoxanthine | Br | O-acyl |
| CH ₃ | OH | Cl | O | 8-Fluorohypoxanthine | Br | O-acyl |
| CH ₃ | OH | Cl | O | 2,8-Difluorohypoxanthine | Br | O-acyl |
| CH ₃ | OH | Cl | O | 2-Aminoadenine | Br | O-acyl |
| CH ₃ | OH | Cl | O | 2-Amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | OH | Cl | O | 2-Amino-8-fluorohypoxanthine | Br | O-acyl |
| CH ₃ | OH | Cl | O | 2-Aminohypoxanthine | Br | O-acyl |

| R ⁶ | R ⁷ | R ⁸ | X | Base | R ¹⁰ | R ⁹ |
|-----------------|----------------|----------------|---|------------------------------------|-----------------|----------------|
| CH ₃ | OH | Cl | O | 2-N-acetylguanine | Br | O-acyl |
| CH ₃ | OH | Cl | O | 4-N-acetylcytosine | Br | O-acyl |
| CH ₃ | OH | Cl | O | 6-N-acetyl原因 | Br | O-acyl |
| CH ₃ | OH | Cl | O | 2-N-acetyl-8-fluoroguanine | Br | O-acyl |
| CH ₃ | OH | Cl | O | 4-N-acetyl-5-fluorocytosine | Br | O-acyl |
| CH ₃ | OH | Cl | O | 6-N-acetyl-2-fluoroadenine | Br | O-acyl |
| CH ₃ | OH | Cl | O | 6-N-acetyl-2,8-difluoroadenine | Br | O-acyl |
| CH ₃ | OH | Cl | O | 6-N-acetyl-2-aminoadenine | Br | O-acyl |
| CH ₃ | OH | Cl | O | 6-N-acetyl-2-amino-8-fluoroadenine | Br | O-acyl |
| CH ₃ | OH | Cl | O | 2-N-acetyl原因 | Br | O-acyl |
| CH ₃ | OH | Cl | O | 2-N-acetyl原因-8-fluoroadenine | Br | O-acyl |
| CH ₃ | OH | Cl | O | 2-N-acetyl原因-8-fluorohypoxanthine | Br | O-acyl |
| CH ₃ | OH | Cl | O | 2-N-acetyl原因hypoxanthine | Br | O-acyl |
| CH ₃ | OH | Cl | O | Thymine | Cl | O-amino acid |
| CH ₃ | OH | Cl | O | Uracil | Cl | O-amino acid |
| CH ₃ | OH | Cl | O | Guanine | Cl | O-amino acid |
| CH ₃ | OH | Cl | O | Cytosine | Cl | O-amino acid |
| CH ₃ | OH | Cl | O | Adenine | Cl | O-amino acid |
| CH ₃ | OH | Cl | O | Hypoxanthine | Cl | O-amino acid |
| CH ₃ | OH | Cl | O | 5-Fluorouracil | Cl | O-amino acid |
| CH ₃ | OH | Cl | O | 8-Fluoroguanine | Cl | O-amino acid |
| CH ₃ | OH | Cl | O | 5-Fluorocytosine | Cl | O-amino acid |
| CH ₃ | OH | Cl | O | 8-Fluoroadenine | Cl | O-amino acid |
| CH ₃ | OH | Cl | O | 2-Fluoroadenine | Cl | O-amino acid |
| CH ₃ | OH | Cl | O | 2,8-Difluoroadenine | Cl | O-amino acid |
| CH ₃ | OH | Cl | O | 2-Fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | OH | Cl | O | 8-Fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | OH | Cl | O | 2,8-Difluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | OH | Cl | O | 2-Aminoadenine | Cl | O-amino acid |
| CH ₃ | OH | Cl | O | 2-Amino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | OH | Cl | O | 2-Amino-8-fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | OH | Cl | O | 2-Aminohypoxanthine | Cl | O-amino acid |
| CH ₃ | OH | Cl | O | 2-N-acetyl原因 | Cl | O-amino acid |
| CH ₃ | OH | Cl | O | 4-N-acetylcytosine | Cl | O-amino acid |
| CH ₃ | OH | Cl | O | 6-N-acetyl原因 | Cl | O-amino acid |
| CH ₃ | OH | Cl | O | 2-N-acetyl-8-fluoroguanine | Cl | O-amino acid |
| CH ₃ | OH | Cl | O | 4-N-acetyl-5-fluorocytosine | Cl | O-amino acid |
| CH ₃ | OH | Cl | O | 6-N-acetyl-2-fluoroadenine | Cl | O-amino acid |
| CH ₃ | OH | Cl | O | 6-N-acetyl-2,8-difluoroadenine | Cl | O-amino acid |
| CH ₃ | OH | Cl | O | 6-N-acetyl-2-aminoadenine | Cl | O-amino acid |
| CH ₃ | OH | Cl | O | 6-N-acetyl-2-amino-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | OH | Cl | O | 2-N-acetyl原因 | Cl | O-amino acid |
| CH ₃ | OH | Cl | O | 2-N-acetyl原因-8-fluoroadenine | Cl | O-amino acid |
| CH ₃ | OH | Cl | O | 2-N-acetyl原因-8-fluorohypoxanthine | Cl | O-amino acid |
| CH ₃ | OH | Cl | O | 2-N-acetyl原因hypoxanthine | Cl | O-amino acid |
| CH ₃ | OH | Cl | O | Thymine | Cl | O-acyl |
| CH ₃ | OH | Cl | O | Uracil | Cl | O-acyl |